Summary of British Columbia Herring Biological Sampling Data for the 2000 - 2001 Season

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ABSTRACT

Midgley, P. and J. Schweigert. 2002. Summary of British Columbia herring biological sampling data for the 2000 - 2001 season. Can. Data Rep. Fish. Aquat. Sci. 1086: 101p.

Age compositions and the average length and weight at age, the sex ratio, and the maturity states of herring samples combined by geographical area, time period, gear type, and source are tabulated for the 2000 - 2001 season. Tables are given for two geographical groupings: statistical areas and herring sections.

RÉSUMÉ

Midgley, P. and J. Schweigert. 2002. Summary of British Columbia herring biological sampling data for the 2000 - 2001 season. Can. Data Rep. Fish. Aquat. Sci. 1086: 101p.

Ce rapport présente la répartition par âge, la taille moyenne et le poids en fonction de l'âge, la proportion par sexe et l'état de maturité de l'harengs chantillonnés en 2000 - 2001, par région géographique, période de l'année, genre d'engin de pêche et provenance. Les tableaux sont divisés en deux regroupements géographiques : zones statistiques et sections d'harengs.

INTRODUCTION

Biological samples of herring are collected and processed annually for length, weight, sex, maturity, age, gonad weight, and gonad length. This information is used in stock assessments, and for determining stock characteristics. Additionally, it is useful to fishery managers located along the coast of British Columbia. The information presented here is for the 2000 - 2001 herring season which extends from July 1, 2000 to June 30, 2001. This report summarizes biological characteristics by different gear and source types, as well as different levels of geographic aggregation. The smallest level of aggregation is by herring section (Figs. 1 - 6), which is a subdivision of Statistical Area. Stock assessments are conducted at a region level of geographic aggregation (Fig. 7).

Biological characteristics of individual fish collected annually since the 1950-51 season are maintained on computer files. These files provide a 51-year series of data accessible for analyses and modelling.

METHODS

The two main sources of biological samples are the roe herring test fishing program and roe herring fisheries. While a major objective of the test fishing program is to provide support for fisheries management, a secondary objective is to collect biological samples throughout the geographic range of herring spawning aggregations. Test fishing operations are conducted to ensure that the vessels are available before and during the main spawning run in each area. Roe herring fisheries are the main source of commercial samples. Fisheries for roe herring are sampled with the goal of collecting ten samples from each seine fishery, and six samples from each gillnet fishery. A sampling plan is designed for each fishery to ensure that the sample series collected accurately represents biological characteristics of the entire catch in time and gear distribution, for each gear type.

Additional commercial samples are collected from the fall food and bait fisheries, which are currently very small both in quota and in numbers of vessels eligible to participate (e.g. 18 vessels in the fall 2000 fishery). Consequently, each vessel participating in this fishery is expected to provide a biological sample from their catch.

As well as commercial and test fishing samples, small numbers of research samples are collected by Fisheries and Oceans (DFO) vessels, and occasionally by chartered

commercial vessels throughout the year. Samples with source code "4" (other) are collected from various sources that do not fit into the categories described above.

In most instances biological samples are frozen on board vessels and shipped to the Pacific Biological Station where they are processed following standard procedures described by Hamer (1989). Data codes are presented in Table 1.

Gonad maturities are classified according to a modified Hjort maturity scale (Table 2). Female roe maturities in the data summaries are defined as:

Immature	- Hjort stages 1 - 4
Mature	- Hjort stages 5 - 6
Spent	- Hjort stages 7 - 8.

Fish classified as immature in estimating the sex ratio are those whose gonads were not sufficiently developed for sex determination.

DATA COMPILATION AND SCREENING

The biological sample information from each sample is entered directly into a computer as the fish are processed, using a data entry program. The data are subsequently screened by computer for relationships between age, length, and weight which are outside the normal range for the coast as a whole (mean +/- 2 standard deviations). Anomalies are listed, and the associated data checked for possible errors in recording or coding.

AGE DETERMINATION

Age determination is based on the number of annuli on the scales. Herring ages are reported using the "year of life" convention. That is, fish in their first year are designated as age "0+". Herring "birthdays" are considered to be at spawning, and not on January 1, as is the convention for many other fish species.

A revised system of ageing herring has been used since the 1987-88 season. Before that season, a fish was either assigned an age or was classified as unageable. With the revised ageing system, the option of two possible ages was used when it was difficult to positively determine the age. At present there is no optimal procedure for incorporating these data into age composition estimates, so they continue to be treated as unageable. Therefore, the age compositions in this report are based only on fish for which a single age was assigned.

RESULTS

BIOLOGICAL SAMPLING AND AGE COMPOSITIONS

In the 2000 - 2001 season 173 test fishing samples, 68 roe fishery samples, 17 "other" samples, 13 food and bait fishery samples, and 20 research samples were processed, bringing the total number for the season to 291 (Table 3 & 7). Twelve seine vessels, four gillnet vessels, two management platforms, two surface survey vessels and one dive platform were chartered to help manage the 2001 roe herring fisheries through hydro-acoustic surveys, test fishing, and spawn surveys. Details on the distribution of effort, and number of samples collected by chartered vessels are provided in Table 4. Roe fishery samples were collected from seine fisheries in areas 5, 7 & 14 and from gillnet fisheries in areas 4, 7 & 14 (Table 6). Test fishing vessels collected 17 samples from spawn on kelp ponds (SOK), on an opportunistic basis. Food and bait fishery samples were taken from area 17. Research samples were collected by the R/V W.E.Ricker during a herring year-class strength and production survey off the west coast of Vancouver Island. The R/V W.E.Ricker, while conducting a groundfish research cruise, provided an incidental herring catch sample from area 17.

Age compositions for samples from the test fishery, and the seine and gillnet roe fisheries are summarized by section in Table 5.

The following types of information, with associated table numbers, are summarized in this report:

Codes for sample data	Table 1
Maturity stages for Pacific herring	Table 2
Listing of samples processed	Table 3
Charter vessel information	Table 4
2001 age compositions	Table 5
Roe herring fishery summaries	Table 6
Data summaries	Tables 7 - 14.

The data summaries include various groupings of samples by geographical areas, gear types, and source types. Each summary contains information on the age composition, the average length and weight at age, the sex ratio, and the maturity stages of the combined samples in that report.

ACKNOWLEDGMENTS

The Fish Ageing Unit at the Pacific Biological Station determined the ages. J.O.Thomas and Associates Ltd. collected the roe fishery samples, and Tideview Services processed all samples. Lorena Hamer and Jonathan Hepples for providing some of the summary information.

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Bowers, A.B., and F.G.T. Holliday. 1961. Historical changes in the gonad associated with the reproductive cycle of the herring (Clupea harengus L.). Mar. Res. Scot. 5: 16 p.

Hamer, L. 1989. Procedures for collecting and processing British Columbia herring samples. Can. Manuscr. Rep. Fish. Aquat. Sci. 2030: 27 p.

Table 1. Codes for British Columbia herring sampling data.

A. Gear		B. Source	
19	Gillnet	0	Roe fishery
29	Seine	1	Bait fishery
20	Salmon seine	2	Research - inshore
21	Other seine	3	Research - offshore
70	Beach seine	4	Other
50	Other trawl	5	Test Fishery
59	Herring trawl	6	Food Fishery
01	Other	7	Reduction Fishery

C. Preservation		D. Sex	
0	Frozen	1	Male
1	Fresh	2	Female
2	Salted	3	Unknown
3	Other		
4	Brined		

Table 2. Maturity stages for Pacific herring (adapted from Bowers and Holliday 1961; Parrish and Saville 1965). These descriptions are intended as general guidelines. Length of time samples have been frozen, thawing time, and different handling procedures may alter the colour of the gonads. Therefore, the texture of the gonad is also used to assess maturity. The timing description is also a general guideline due to the wide range in spawn timing on the British Columbia coast.

Stage	State of Maturity	Gonad appearance	Description	Timing
I	Undeveloped	Thread-shaped	Virgin herring with small gonads, less than 2 mm broad. Accurate macroscopic determination of sex not possible. Fat is visible in the body cavity.	Year-round for young herring usually less than 150 mm in length. (However, some herring as small as 125 mm may have mature gonads.)
II	Starting	Ribbon-shaped	Gonads increased in breadth to 3-5 mm. Sex determination difficult. Testes reddish-grey coloured and knife-shaped. Ovaries reddish-wine coloured and bullet-shaped at tip. (The gonads of virgins and some repeat spawners cannot be differentiated macroscopically.) Fat is visible in the body cavity.	Late spring and early summer.
III	Developing	Tube-like	Gonads thickened, increased in breadth (5-15 mm) and elongated, but not extending full length of body cavity. Ovaries red to reddish-orange, granular in appearance, and bullet-shaped at the tip. Testes reddish-grey, smooth in appearance, and knife-shaped.	Usually late summer to early fall, but may extend into winter and early spring.
IV	Maturing	Prominent	Gonads extend full length of body cavity. Ovaries reddish-orange to yellow; eggs distinguishable, opaque, variable in size and separate. Testes mostly grey, firmer, and will ooze milt if sliced with a knife. Blood vessels often clearly visible in the ovary and testes walls.	Usually late fall and winter, but may extend to as late as March. (Slightly earlier in males than females.)

Table 2 (cont'd)

Stage	State of Maturity	Gonad appearance	Description	Timing
V	Mature	Bulging	Few or no blood vessels visible in gonad walls. Walls of body cavity thin. Ovaries gold-yellow, firm and will often break into sections. Eggs mostly transparent and uniform in size. Testes usually milk-white, soft and plump; and milt will flow under pressure.	Mid-winter to late spring.
VI	Ripe	Running	Gonads do not hold their shape. Ovaries look and feel gelatinous. Segmentation is lost. Eggs are transparent and sticky to the touch. Testes runny, and have a curdled appearance. Milt flows easily without external pressure.	A few days prior to spawning (usually in late winter to spring).
VII	Spent	Baggy	Gonads slack. Sex determination difficult. Ovaries may contain a few residual eggs. Testes limp and bloodshot. Body wall thin and no fat present; blood in body cavity.	Spring for the first few weeks following spawning.
VIII	Recovering	Compressed	Gonads wide-coloured and usually longer, fuller and not as slack as Stage VII. Blood vessels prominent. Little or no fat in the body cavity.	Late spring and early summer.

Table 3. Biological sampling information by statistical area, herring section and location for the 2000 - 2001 season.

Area	Sect	Location	Sample Number	Year	Month	Day	Gear	Source	Pres	No. of Fish Sampled	No. of Fish Aged
23	239	FORTY MILE BANK	1	00	7	30	59	3	0	100	92
23	239	POTHOLES +	2	00	7	27	59	3	0	100	77
23	239	FORTY MILE BANK	3	00	7	27	59	3	0	100	89
23	239	SOUTH WEST CORNER +	4	00	7	30	59	3	0	100	85
21	219	SWIFTSURE BANK	5	00	7	29	59	3	0	100	84
17	172	ICARUS POINT	6	00	11	26	29	6	0	100	96
21	219	SWIFTSURE BANK	7	00	7	25	59	3	0	100	91
23	239	FIRING RANGE	8	00	7	29	59	3	0	100	95
23	239	FORTY MILE BANK	9	00	7	26	59	3	0	100	82
17	172	LANTZVILLE	10	00	11	6	29	6	0	100	88
23	239	FORTY MILE BANK	11	00	7	25	59	3	0	100	75
23	239	FINGER BANK +	12	00	7	30	59	3	0	100	95
17	172	MAUDE ISLAND	14	00	11	3	29	6	0	100	95
21	219	SWIFTSURE BANK	15	00	7	29	59	3	0	100	75
23	239	SOUTH WEST CORNER +	16	00	7	26	59	3	0	100	87
17	173	GALIANO ISLAND	17	00	8	20	59	2	0	100	0
23	239	FORTY MILE BANK	18	00	7	30	59	3	0	100	94
17	172	NECK POINT	19	00	11	13	29	6	0	100	79
23	239	FORTY MILE BANK	20	00	7	26	59	3	0	100	89
17	172	MAUDE ISLAND	21	00	11	3	29	6	0	100	93
23	239	FINGER BANK +	22	00	7	30	59	3	0	100	81
17	172	ICARUS POINT	23	00	12	3	29	6	0	100	91
23	239	BOTTLENECK +	24	00	7	26	59	3	0	100	90
17	172	FIVE FINGER ISLAND	25	00	11	21	29	6	0	100	88
17	172	FIVE FINGER ISLAND	26	00	11	21	29	6	0	100	89
17	172	FIVE FINGER ISLAND	27	00	11	21	29	6	0	100	80
14	142	METCALF BAY	1	01	3	2	29	5	0	100	96
14	142	TRALEE POINT	2	01	2	28	29	5	0	100	98
14	143	QUALICUM BEACH	3	01	2	25	29	5	0	100	98
14	142	TRALEE POINT	4	01	2	27	29	5	0	100	89
14	142	COMOX BAR	5	01	3	5	29	5	0	100	96
14	143	COLUMBIA BEACH	6	01	2	26	29	5	0	100	94
14	143	NILE CREEK	7	01	2	28	29	5	0	100	92
17	173	PYLADES CHANNEL	8	01	2	26	29	5	0	100	94
14	142	NORRIS ROCKS	9	01	2	26	29	5	0	99	90
14	142	TRIBUNE BAY	10	01	2	24	29	5	0	100	95
14	142	KOMAS BLUFF	11	01	3	1	29	5	0	100	97
14	142	CHROME ISLAND	12	01	2	28	29	5	0	100	96
14	142	WILLEMAR BLUFF	13	01	3	6	29	5	0	100	95
14	143	MISTAKEN ISLAND	14	01	2	28	29	5	0	100	87
14	143	MADRONA POINT	15	01	2	24	29	5	0	100	95
14	142	BAYNES SOUND	16	01	3	3	29	5	0	100	93
14	142	REPULSE POINT	17	01	3	1	29	5	0	100	97
14	142	DENMAN POINT	18	01	3	4	29	5	0	100	97
14	142	DEEP BAY	19	01	3	2	29	5	0	100	100
19	191	DEEP COVE	20	01	2	25	29	5	0	100	89
14	142	CHROME ISLAND	21	01	3	2	29	5	0	100	96
14	142	SHIP POINT	22	01	3	3	29	5	0	100	99
25	253	ESPERANZA INLET	23	01	2	26	29	5	0	100	93
17	173	TRINCOMALI CHANNEL	24	01	2	25	29	5	0	100	96
17	173	PYLADES CHANNEL	25	01	3	6	29	5	0	100	92
14	142	CHROME ISLAND	26	01	3	1	29	5	0	100	95
14	142	DEEP BAY	27	01	3	6	29	5	0	100	99
14	143	COLUMBIA BEACH	28	01	2	27	29	5	0	100	93
14	143	FRENCH CREEK	29	01	3	5	29	5	0	100	95
25	253	ROSA HARBOUR	30	01	3	5	29	5	0	100	96
14	143	COTTAM POINT	31	01	2	27	29	5	0	100	95
23	232	FORBES ISLAND	32	01	3	3	29	5	0	100	92
17	172	NECK POINT	33	01	2	24	29	5	0	100	93

Table 3 (cont'd)

Area	Sect	Location	Sample Number	Year	Month	Day	Gear	Source	Pres	No. of Fish Sampled	No. of Fish Aged
23	232	FOOD ISLETS	34	01	3	3	29	5	0	100	92
14	142	BOYLE POINT	35	01	3	4	29	5	0	100	98
23	232	FOOD ISLETS	36	01	3	7	29	5	0	100	98
23	232	FORBES ISLAND	37	01	3	17	29	5	0	100	99
14	143	QUALICUM BEACH	38	01	2	22	29	5	0	100	90
14	143	NORTHWEST BAY	39	01	2	25	29	5	0	100	96
14	142	FILLONGLEY PARK	40	01	3	3	29	5	0	100	95
14	142	DENMAN POINT	41	01	3	3	29	5	0	100	92
14	142	COMOX HARBOUR	42	01	3	3	29	5	0	100	94
23	232	FOOD ISLETS	43	01	3	7	29	5	0	100	94
14	142	CHROME ISLAND	44	01	2	25	29	5	0	100	98
14	142	CHROME ISLAND	45	01	3	2	29	5	0	100	89
14	142	PHIPPS POINT	46	01	3	3	29	5	0	100	97
14	142	FLORA ISLET	47	01	2	27	29	5	0	100	95
23	232	FOOD ISLETS	48	01	3	8	29	5	0	100	96
14	142	GARTLEY POINT	49	01	3	5	29	5	0	100	100
14	142	FLORA ISLET	50	01	2	27	29	5	0	100	96
23	232	CHROW ISLANDS	51	01	2	28	29	5	0	100	91
14	142	SANDY ISLAND	52	01	3	5	29	5	0	100	94
23	239	CABBAGE PATCH +	53	01	2	23	29	5	0	100	94
25	253	ROSA HARBOUR	54	01	3	1	29	5	0	100	94
23	239	CABBAGE PATCH +	55	01	3	6	29	5	0	100	98
14	142	BOYLE POINT	56	01	3	3	29	5	0	100	97
14	142	GARTLEY POINT	57	01	3	2	29	5	0	100	98
23	232	SPILLING ISLET	58	01	3	4	29	5	0	100	92
23	232	FOOD ISLETS	59	01	2	26	29	5	0	100	98
14	142	DENMAN POINT	60	01	3	4	29	5	0	100	94
25	253	ESPERANZA INLET	61	01	3	10	29	5	0	100	98
14	142	SANDY ISLAND	62	01	3	15	29	5	0	100	96
14	142	GARTLEY POINT	63	01	3	4	29	5	0	100	97
14	142	METCALF BAY	64	01	3	16	29	5	0	100	97
25	253	ROSA HARBOUR	65	01	3	3	29	4	0	100	93
14	142	LAMBERT CHANNEL	66	01	3	3	29	5	0	100	97
14	142	SANDY ISLAND	67	01	3	5	29	5	0	100	97
14	143	QUALICUM BEACH	68	01	3	5	29	5	0	100	95
25	253	CENTRE ISLAND	69	01	3	14	29	5	0	100	93
23	239	CABBAGE PATCH +	70	01	3	5	29	5	0	100	96
07	072	SHINGLE ROCK	71	01	3	12	29	5	0	100	98
14	142	GARTLEY POINT	72	01	3	4	29	5	0	100	99
23	232	FORBES ISLAND	73	01	3	10	29	5	0	100	89
25	252	ZUCIARTE CHANNEL	74	01	3	8	29	5	0	100	98
14	142	GARTLEY POINT	75	01	3	4	29	5	0	100	92
17	172	ICARUS POINT	76	01	2	26	29	5	0	100	95
14	143	FRENCH CREEK	77	01	2	27	29	5	0	100	98
27	273	WINTER HARBOUR	78	01	3	25	29	4	0	100	100
07	077	EAST HIGGINS PASS	79	01	3	24	29	4	0	100	95
07	072	MOSQUITO BAY	80	01	3	16	29	5	0	100	95
27	273	WINTER HARBOUR	81	01	3	25	29	4	0	100	96
07	078	NEEKAS COVE	82	01	3	14	29	5	0	100	93
06	067	MARVIN ISLANDS	83	01	3	22	29	5	0	100	97
07	077	EAST HIGGINS PASS	84	01	3	6	29	5	0	100	94
07	078	NEEKAS INLET	85	01	3	15	29	5	0	100	95
07	074	SEAFORTH CHANNEL	86	01	3	17	29	5	0	100	96
07	072	BERRY INLET	87	01	3	21	29	5	0	100	95
07	077	EAST HIGGINS PASS	88	01	3	23	29	4	0	100	97
06	067	KITASU BAY	89	01	3	7	29	5	0	100	99
07	072	SPILLER LAGOON	90	01	3	9	29	5	0	100	96
07	077	EAST HIGGINS PASS	91	01	3	10	29	5	0	100	98
09	093	RIVERS INLET-HEAD	92	01	3	11	29	5	0	100	83

Table 3 (cont'd)

Area	Sect	Location	Sample Number	Year	Month	Day	Gear	Source	Pres	No. of Fish Sampled	No. of Fish Aged
08	085	FAIRMILE PASSAGE	93	01	3	3	29	5	0	100	93
07	074	DUNDIVAN INLET	94	01	3	5	29	5	0	100	99
07	077	EAST HIGGINS PASS	95	01	3	19	29	5	0	100	9[illegible]
07	072	FISHER POINT	96	01	3	14	29	5	0	100	96
07	077	EAST HIGGINS PASS	97	01	3	13	29	5	0	100	98
07	074	WASKESIU PASS	98	01	3	11	29	5	0	100	91
08	085	ILLAHIE INLET	99	01	3	23	29	5	0	100	94
07	078	NEEKAS INLET	100	01	3	17	29	5	0	100	94
07	078	NEEKAS COVE	101	01	3	17	29	5	0	100	97
07	072	SPILLER INLET	102	01	3	16	29	5	0	100	93
07	074	DUNDIVAN INLET	103	01	3	11	29	5	0	100	98
07	072	SPILLER LAGOON	104	01	3	17	29	5	0	100	96
08	085	KWAKSHUA CHANNEL	105	01	3	4	29	5	0	100	98
07	072	SPILLER INLET	106	01	3	18	29	5	0	100	98
05	052	ROBERT ISLAND	107	01	3	17	29	5	0	100	96
04	042	MIST ISLAND	108	01	3	21	1	5	0	100	98
04	042	ESCAPE REEFS	109	01	3	14	29	5	0	100	95
04	042	BOAT PASS	110	01	3	22	29	5	0	100	98
04	042	SLIPPERY ROCK	111	01	3	15	29	5	0	100	93
04	042	HODGSON REEF	112	01	3	29	29	5	0	100	93
05	052	GURD POINT	113	01	3	21	29	5	0	100	99
05	052	KITKATLA CREEK	114	01	3	23	29	5	0	100	97
05	052	SHAKES ISLANDS	115	01	3	19	29	5	0	100	97
05	052	KITKATLA CREEK	116	01	3	22	29	5	0	100	97
04	042	HOGAN LEDGE	117	01	3	11	29	5	0	100	98
03	033	PORT SIMPSON	118	01	3	21	1	5	0	100	94
05	052	GURD POINT	119	01	3	21	29	5	0	100	99
04	042	HOGAN LEDGE	120	01	3	17	29	5	0	100	98
04	042	HODGSON REEF	121	01	3	21	29	5	0	100	98
05	052	SHAKES ISLANDS	122	01	3	17	29	5	0	100	96
04	042	SOUTH ISLAND	123	01	3	20	29	5	0	100	100
04	042	PEARL HARBOUR	124	01	3	12	29	5	0	100	99
05	052	GURD POINT	125	01	3	20	29	5	0	100	97
04	042	OTTER ANCHORAGE	126	01	3	22	29	5	0	100	95
05	052	DRIES INLET	127	01	3	23	29	5	0	100	98
04	042	PRINCE RUPERT HARBOUR	128	01	4	2	29	5	0	100	97
02	025	HUSTON INLET	129	01	3	29	29	5	0	100	95
04	042	PILLSBURY COVE	130	01	4	2	29	5	0	100	98
02	024	POWRIVCO BAY	131	01	3	17	29	5	0	100	96
04	042	METLAKATLA VILLAGE	132	01	3	31	29	5	0	100	95
05	052	WILCOX GROUP	133	01	3	22	29	5	0	89	87
00	006	LOUSCOONE INLET	134	01	3	4	29	5	0	100	97
07	072	BERRY INLET	135	01	3	21	29	5	0	100	90
08	085	KWAKSHUA CHANNEL	136	01	3	12	29	5	0	100	97
07	072	MOSQUITO BAY	137	01	3	16	29	5	0	100	95
00	002	PORT LOUIS	138	01	3	12	29	5	0	100	96
07	072	BERRY INLET	139	01	3	21	29	5	0	100	92
07	072	SPILLER LAGOON	140	01	3	17	29	5	0	100	92
08	085	FAIRMILE PASSAGE	141	01	3	12	29	5	0	100	93
14	143	MISTAKEN ISLAND	142	01	3	8	29	5	0	100	88
18	181	SATELLITE CHANNEL	143	01	3	18	29	5	0	100	92
10	102	TAKUSH HARBOUR	144	01	3	10	29	5	0	100	97
05	052	ROBERT ISLAND	145	01	4	2	29	4	0	100	96
06	067	KITASU BAY	146	01	3	12	29	5	0	100	98
03	033	PORT SIMPSON	147	01	3	19	29	5	0	100	99
04	042	PEARL HARBOUR	148	01	3	19	29	5	0	100	99
05	052	SNASS POINT	149	01	3	19	29	5	0	100	92
04	042	VENN PASSAGE	150	01	3	31	29	4	0	100	98
04	042	HODGSON REEF	151	01	3	15	29	5	0	100	95

Table 3 (cont'd)

Area	Sect	Location	Sample Number	Year	Month	Day	Gear	Source	Pres	No. of Fish Sampled	No. of Fish Aged
04	042	RYAN POINT	152	01	3	26	29	5	0	100	97
04	042	BIG BAY	153	01	3	13	29	5	0	100	96
04	042	GORDON POINT	154	01	3	18	29	5	0	100	97
04	042	METLAKATLA VILLAGE	155	01	4	1	29	4	0	100	98
04	042	TUGWELL ISLAND	156	01	3	23	29	5	0	100	98
04	042	METLAKATLA VILLAGE	157	01	3	31	29	5	0	100	98
02	021	SECTION ISLAND	158	01	3	14	29	5	0	100	76
04	042	ESCAPE REEFS	159	01	3	13	29	5	0	100	94
05	052	KITKATLA CREEK	160	01	3	17	29	5	0	100	98
02	021	HUTTON INLET	161	01	3	15	29	4	0	100	99
02	025	HUSTON INLET	162	01	3	5	29	5	0	100	97
02	025	HUSTON INLET	163	01	3	6	29	5	0	100	100
04	042	VENN PASSAGE	164	01	4	1	29	5	0	100	99
00	006	LOUSCOONE INLET	165	01	3	3	29	4	0	100	95
00	003	SEAL INLET	166	01	3	10	29	5	0	100	99
00	002	PORT CHANAL	167	01	3	23	29	5	0	100	98
00	005	INSKIP CHANNEL	168	01	3	24	29	5	0	100	96
24	243	YOUNG BAY	169	01	3	15	29	4	0	100	94
24	243	SYDNEY INLET	170	01	3	9	29	5	0	100	80
24	243	HOLMES INLET	171	01	3	8	29	5	0	100	96
04	042	VENN PASSAGE	172	01	4	1	29	5	0	100	95
04	042	PILLSBURY COVE	173	01	3	29	29	5	0	100	100
05	052	DRIES INLET	174	01	3	22	29	5	0	98	97
04	042	PILLSBURY COVE	175	01	3	30	29	5	0	100	96
02	021	DE LA BECHE INLET	176	01	3	16	29	5	0	100	93
02	025	JEDWAY BAY	177	01	3	7	29	4	0	100	96
02	021	SKAAT HARBOUR	178	01	3	7	29	5	0	100	70
04	042	METFORD ISLAND	179	01	3	28	29	5	0	100	94
05	052	GURD ISLAND	180	01	3	22	29	5	0	100	81
24	243	ADVENTURE POINT	181	01	3	7	29	5	0	100	94
17	173	DE COURCY ISLAND	182	01	3	12	29	5	0	100	88
04	042	DODGE COVE	183	01	3	28	29	5	0	100	93
02	025	HUSTON INLET	184	01	3	29	29	5	0	100	94
24	243	SYDNEY INLET	185	01	3	2	29	5	0	100	94
02	021	DE LA BECHE INLET	186	01	3	15	29	5	0	100	95
20	201	MAGDALENA POINT	188	01	2	4	59	2	0	100	91
12	121	NIGEI ISLAND	189	01	1	12	59	2	0	100	16
21	219	SWIFTSURE BANK	190	01	2	4	59	3	0	100	95
17	172	LANTZVILLE	191	01	1	7	29	6	0	100	75
14	143	BIG QUALICUM RIVER	192	01	3	9	19	0	0	100	77
14	142	GOOSE SPIT	193	01	3	4	29	0	0	100	90
14	142	CAPE LAZO	194	01	3	7	19	0	0	100	88
14	142	BAYNES SOUND, UPPER	195	01	3	6	19	0	0	100	82
14	142	GARTLEY POINT	196	01	3	4	29	0	0	100	98
14	142	GOOSE SPIT	197	01	3	4	29	0	0	100	97
07	072	SPILLER CHANNEL	198	01	3	21	29	0	0	100	78
14	142	CAPE LAZO	199	01	3	8	19	0	0	100	76
14	143	LITTLE QUALICUM RIVER	200	01	3	7	19	0	0	100	93
05	052	KITKATLA CREEK	201	01	3	23	29	0	0	100	96
07	077	EAST HIGGINS PASS	202	01	3	27	19	0	0	100	83
04	042	PILLSBURY COVE	203	01	4	1	19	0	0	100	82
04	042	PILLSBURY COVE	204	01	4	2	19	0	0	100	89
04	042	PILLSBURY COVE	205	01	4	2	19	0	0	100	82
07	077	EAST HIGGINS PASS	206	01	3	26	19	0	0	100	87
04	042	PRINCE RUPERT HARBOUR	207	01	4	3	19	0	0	100	91
12	122	DAPHNE POINT	208	01	3	28	29	4	0	100	89
12	122	DAPHNE POINT	209	01	3	28	29	4	0	100	88
12	122	DAPHNE POINT	210	01	3	28	29	4	0	100	90
05	052	KITKATLA INLET	211	01	3	23	29	0	0	100	97

Table 3 (cont'd)

Area	Sect	Location	Sample Number	Year	Month	Day	Gear	Source	Pres	No. of Fish Sampled	No. of Fish Aged
14	142	GARTLEY POINT	212	01	3	4	29	0	0	100	90
07	077	EAST HIGGINS PASS	213	01	3	26	19	0	0	100	87
14	142	GARTLEY POINT	214	01	3	4	29	0	0	100	87
14	142	CAPE LAZO	215	01	3	6	19	0	0	100	89
14	142	GOOSE SPIT	216	01	3	4	29	0	0	100	88
14	142	KOMAS BLUFF	217	01	3	6	19	0	0	100	91
14	143	QUALICUM RIVER	218	01	3	6	19	0	0	100	93
14	142	CAPE LAZO	219	01	3	7	19	0	0	100	89
14	142	CHROME ISLAND	220	01	3	6	19	0	0	100	73
14	142	DENMAN ISLAND (EAST)	221	01	3	7	19	0	0	100	88
14	142	SANDY ISLAND	222	01	3	4	29	0	0	100	96
14	142	GOOSE SPIT	223	01	3	4	29	0	0	100	89
14	142	GOOSE SPIT	224	01	3	4	29	0	0	100	91
05	052	KITKATLA CREEK	225	01	3	23	29	0	0	100	90
04	042	DUNCAN BAY	226	01	4	2	19	0	0	100	94
14	142	BAYNES SOUND	227	01	3	4	29	0	0	100	92
14	143	FRENCH CREEK	228	01	3	9	19	0	0	100	88
07	072	SHINGLE ROCK	229	01	3	18	29	0	0	100	91
05	052	KITKATLA CREEK	230	01	3	23	29	0	0	100	95
07	077	EAST HIGGINS PASS	231	01	3	26	19	0	0	100	87
05	052	SNASS POINT	232	01	3	23	29	0	0	100	89
07	072	BERRY INLET	233	01	3	18	29	0	0	100	92
07	072	BERRY INLET	234	01	3	18	29	0	0	100	82
04	042	METLAKATLA VILLAGE	235	01	4	1	19	0	0	100	89
05	052	GURD ISLAND	236	01	3	23	29	0	0	100	97
07	072	BERRY INLET	237	01	3	19	29	0	0	100	90
04	042	METLAKATLA VILLAGE	238	01	4	2	19	0	0	100	86
07	072	BERRY INLET	239	01	3	19	29	0	0	100	94
05	052	GURD ISLAND	240	01	3	23	29	0	0	100	98
07	072	BERRY INLET	241	01	3	21	29	0	0	100	91
17	172	MAUDE ISLAND	242	01	1	21	29	6	0	120	95
05	052	KITKATLA CREEK	243	01	3	23	29	0	0	100	89
04	042	PRINCE RUPERT HARBOUR	244	01	4	1	19	0	0	100	90
04	042	METLAKATLA VILLAGE	245	01	4	3	19	0	0	100	85
07	077	EAST HIGGINS PASS	246	01	3	27	19	0	0	100	84
07	074	SEAFORTH CHANNEL	247	01	3	20	29	0	0	100	90
07	072	FOOTE ISLETS	248	01	3	20	29	0	0	100	92
17	172	MAUDE ISLAND	249	01	1	15	29	6	0	100	85
04	042	DUNCAN BAY	250	01	4	3	19	0	0	100	74
07	077	EAST HIGGINS PASS	251	01	3	27	19	0	0	100	81
04	042	WHITECLIFF ISLAND	252	01	4	1	19	0	0	100	87
07	078	NEEKAS INLET	253	01	3	18	29	0	0	100	89
07	072	FOOTE ISLETS	254	01	3	19	29	0	0	100	97
05	052	GURD ISLAND	255	01	3	23	29	0	0	100	94
07	072	SPILLER CHANNEL	256	01	3	19	29	0	0	100	92
05	052	KITKATLA CREEK	257	01	3	23	29	0	0	100	94
07	072	BERRY INLET	258	01	3	19	29	0	0	100	93
07	077	EAST HIGGINS PASS	259	01	3	28	19	0	0	100	80
07	077	EAST HIGGINS PASS	260	01	3	27	19	0	0	100	73
02	024	SELWYN INLET	261	01	4	15	29	4	0	100	95
02	024	SELWYN INLET	262	01	4	15	29	4	0	100	95
07	077	EAST HIGGINS PASS	263	01	3	28	19	0	0	100	72
17	172	MAUDE ISLAND	264	01	1	21	29	6	0	100	96
07	077	EAST HIGGINS PASS	265	01	3	27	19	0	0	100	66
04	042	METLAKATLA VILLAGE	266	01	4	1	19	0	0	100	91

Table 4. 2001 Test fishing vessels, areas and dates of operation, number of sets made, and number of samples processed.

REGION	VESSEL	STAT AREAS	DATES	# SETS MADE	# SAMPLES PROCESSED
QCI	Viking Pride	2E, 2W	Mar 03 - Apr 06	31	14
	Western Hunter	2E, 2W	Mar 15 - Apr 25	--	--
QCI TOTAL				31	14
PRINCE RUPERT DISTRICT	Ocean Venture	3, 4	Mar 10 - Apr 04	34	20
	Prodigy	5	Mar 16 - Mar 29	11	10
	Royal Pride*	3,4	Mar 12 - Apr 19	--	--
	My Lady Jane^	3,4, 5	Mar 15 - Apr 05	14	14
PRD TOTAL				57	44
CENTRAL COAST	Ocean Royal	7 - 10	Mar 10 - Mar 23	9	6
	Christav	6, 7	Mar 09 - Apr 13	9	9
	Kynoc	6 - 8	Mar 02 - Mar 31	19	19
	Ocean Explorer*	6 - 10	Mar 15 - Apr 14	--	--
	Lasqueti Star**	6,7	Mar 09 - Mar 29	--	--
CENT TOTAL				37	34
ST. OF GEORGIA	Argent No.1	14, 15, 17	Feb 22 - Mar 19	21	20
	Angela Lynn	14, 17, 18	Feb 24 - Mar 24	18	13
	Ocean Royal	14, 17, 18,19	Feb 24 - Mar 09	17	14
	Royal Mariner	14, 17, 18	Feb 26 - Mar 07	12	11
	Endurance*	14,17,18,19	Mar 02 - Apr 04	--	--
	Elling K*	4,15,16,17	Mar 02 - Apr 02	--	--
	Snowdrift**	14,15,17	Feb 24 - Mar 15	--	--
	Port Lincoln***	12	Mar 01 - Mar 31	--	--
	Discovery Huntress***	13	Mar 01 - Mar 31	--	--
	My Lady Jane^	14	Mar 03 - Mar 10	15	--
ST. OF GEORGIA TOTAL				83	58
W COAST VANCOUVER ISLAND	Ante B	23, 24,25	Feb 22 - Mar 19	22	14
	Royal Viking	23, 24,25,26,27	Feb 26 - Apr 01	5	5
	Viking Joy	23,24,25	Feb 26 - Apr 01	9	4
WCVI TOTAL				36	23
TOTAL				244	173

* - Gillnet test and spawn assessment - no samples collected.
** - Management platform - no samples collected.
*** - Charter patrol and spawn survey - no samples collected.
^ - Tagging platform.

Table 5. Percentage at age of 2001 seine roe, gillnet roe and test fishing samples.

SECTION	SOURCE	GEAR	PERCENT AT AGE										NUMBER AGED
			0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	
002 PORT LOUIS	5	29	0	4	14	35	24	11	9	3	1	1	194
003 RENNELL SOUND	5	29	0	1	2	49	36	5	4	2	0	0	99
005 ENGLEFIELD BAY	5	29	0	9	3	44	14	21	6	1	1	1	96
006 LOUSCOONE INLET	5	29	0	41	7	20	7	21	2	1	0	1	97
021 JUAN PEREZ SOUND	5	29	43	1	18	13	4	17	4	0	1	0	334
024 SELWYN INLET	5	29	0	0	46	33	7	10	1	2	0	0	96
025 SKINCUTTLE INLET	5	29	0	27	31	16	4	19	3	1	0	0	386
033 PORT SIMPSON	5	29	0	1	66	20	3	7	1	2	0	0	99
042 AREA 4 NORTH	0	19	0	0	0	6	9	32	21	26	5	1	1040
042 AREA 4 NORTH	5	29	0	3	53	18	5	9	5	6	1	0	2607
052 KITKATLA INLET	0	29	0	1	24	25	7	26	11	6	1	0	937
052 KITKATLA INLET	5	29	0	4	32	24	5	22	6	5	1	0	1331
067 KITASU BAY	5	29	0	1	7	25	10	29	23	3	1	0	293
072 POWELL ANCHORAGE	0	29	0	1	5	24	12	27	23	6	1	1	992
072 POWELL ANCHORAGE	5	29	0	3	9	28	12	24	18	4	1	1	1136
074 THOMPSON BAY	0	29	0	4	12	28	11	16	23	6	0	0	90
074 THOMPSON BAY	5	29	0	1	6	28	12	28	17	5	1	1	384
077 MILBANKE SOUND	0	19	0	0	0	5	6	53	28	7	1	0	800
077 MILBANKE SOUND	5	29	0	2	6	25	9	38	16	2	1	1	384
078 DON PENINSULA	0	29	1	7	18	22	24	16	9	3	0	0	89
078 DON PENINSULA	5	29	0	5	10	25	13	24	17	3	1	1	379
085 KWAKSHUA CHANNEL	5	29	0	1	8	40	13	17	17	3	0	0	475
093 RIVERS INLET HEAD	5	29	0	5	14	23	16	25	13	4	0	0	83
102 TAKUSH HARBOUR	5	29	0	0	10	18	16	19	30	5	2	0	97
142 BAYNES SOUND	0	19	0	0	4	18	26	35	15	2	0	0	676
142 BAYNES SOUND	0	29	0	3	38	34	10	10	4	1	0	0	918
142 BAYNES SOUND	5	29	0	5	44	30	9	9	2	0	0	0	3640
143 QUALICUM	0	19	0	0	2	20	26	31	15	5	1	0	351
143 QUALICUM	5	29	0	13	49	23	7	5	2	1	0	0	1216
172 NANOOSE BAY	5	29	0	15	48	24	5	4	2	0	1	1	188
173 YELLOW POINT	5	29	0	8	43	25	7	9	8	1	0	0	370
181 SWANSON CHANNEL	5	29	0	5	51	21	9	8	3	3	0	0	92
191 SAANICH INLET	5	29	0	62	24	12	2	0	0	0	0	0	89
232 MACOAH PASS	5	29	0	9	51	17	9	5	7	1	0	0	941
239 OFFSHORE AREA 23	5	29	0	10	45	14	8	10	10	2	1	0	286
243 SYDNEY INLET	5	29	0	7	45	19	6	9	13	0	0	0	364
252 NOOTKA SOUND	5	29	0	2	41	20	6	10	16	3	1	0	98
253 ESPERANZA INLET	5	29	0	2	37	30	8	11	10	2	0	0	474

Table 6. 2001 Roe herring fishery / catch information.

AREA	LICENCES	QUOTA	CATCH	% TOTAL CATCH	FISHERY	DURATION (Hours)
GULF - SN	128	7190	7358	29.7%	Open 0945 to 2040 Mar 4 in 14 - 8, 14 -11 & 14 -15	10.9
GULF - GN	962	8140	8281	33.5%	Open 0900 Mar 6 to 2230 Mar 9 in 14 -1 to 14 -13 and 14 -15	85.5
C. COAST - SN	101	5242	5665	22.8%	Open 0800 to 2000 Mar 18 in 7-13 and Ptn 7- 8, 7-12 & 7-14 Open 0500 to 2300 Mar 19 in 7-13 and Ptn 7- 8, 7-12 & 7-14 Open 0500 to 2300 Mar 20 in 7-13 and Ptn 7- 8, 7-12 & 7-14 Open 0500 to 1235 Mar 21 in 7-13 and Ptn 7- 8, 7-12 & 7-14	55.6
C. COAST - GN	58	500	509	2.1%	Open 0900 Mar 26 to 0830 Mar 28 in 6 -17, 7-3 & Ptn 6-16	47.5
N. COAST - SN	13	700	839	3.4%	Open 0850 to 1855 Mar 23 in 5 - 4, 5 - 5 & Ptn 5 - 6	10.1
N. COAST - GN	229	2104	2100	8.5%	Open 1030 Apr 1 to 1600 Apr 4 in 4 - 5 to 4 - 9, 4 - 14 and Ptn 3 - 4 & 4 - 10	42.5
					Seine Total	76.6
TOTAL - SN	242	13132	13862	56.0%	Gillnet Total	175.5
TOTAL - GN	1249	10744	10890	44.0%	Total	252.1
TOTAL		23876	24752	100.0%		

*Note: CATCH % REPRESENTS PERCENTAGE OF TOTAL COASTWIDE CATCH

CATCHES ARE VALIDATED LANDINGS IN TONS

Table 7. Number of Samples by Source and Area for 2000/2001.

		Roe fishery		Research					Area
Area	Test Fishery	Seine	Gillnet	Offshore	Inshore	SOK	NTC	Food	Total
2W	5					1			6
2E	9					4			13
3	2								2
4	28		12			2			42
5	14	10				1			25
6	3								3
7	24	13	10			2			49
8	5								5
9	1								1
10	1								1
12					1	3			4
14	51	10	12						73
17	6				1			13	20
18	1								1
19	1								1
20					1				1
21				4					4
23	13			13					26
24	4					1			5
25	6					1			7
27						2			2
Fishery Total	174	33	34	17	3	17	0	13	291

Table 8. Trawl research sample summaries by section.

SECTION: 121 - QUEEN CHARLOTTE ST.
SAMPLE NUMBERS: 189,
SOURCE: RESEARCH - INSHORE
GEAR: HERRING TRAWL
DATE: JAN 12/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	5	0	2	4	2	3	0	0	0	0	84	100
% AT AGE	31.25	0.00	12.50	25.00	12.50	18.75	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	99.20	0.00	180.00	186.75	204.00	198.67	0.00	0.00	0.00	0.00	93.70	104.78
- STD. DEV.	3.27	0.00	7.07	7.89	7.07	7.09	0.00	0.00	0.00	0.00	18.60	35.38
WEIGHT - MEAN(gm)	11.20	0.00	85.00	94.00	125.50	118.00	0.00	0.00	0.00	0.00	10.64	21.01
- STD. DEV.	2.59	0.00	9.90	4.24	4.95	6.08	0.00	0.00	0.00	0.00	15.33	33.16

HJORT MATURITY STAGES:

	MATURITY STAGE								
1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	86	0	0	10	4	0	0	0	0
% AT STAGE	86.00	0.00	0.00	10.00	4.00	0.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	9	1	0	10
%	90.00	10.00	0.00	100.00
% SAMPLE WEIGHT	12.29	1.78	0.00	14.07

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	4	10	86	100
%	4.00	10.00	86.00	100.00
MEAN WEIGHT	101.00	100.90	8.00	21.01
% SAMP. WT.	19.23	48.02	32.75	100.00

Table 8 (cont'd)

SECTION: 173 - YELLOW POINT
SAMPLE NUMBERS: 17,
SOURCE: RESEARCH - INSHORE
GEAR: HERRING TRAWL
DATE: AUG 20/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	0	0	0	0	0	0	0	0	100	100
% AT AGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LENGTH - MEAN(mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	77.69	77.69
- STD. DEV.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.73	5.73
WEIGHT - MEAN(gm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.84	5.84
- STD. DEV.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.38	1.38

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	100	0	0	0	0	0	0	0	0
% AT STAGE	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	0	0	0
%	0.00	0.00	0.00	0.00
% SAMPLE WEIGHT	0.00	0.00	0.00	0.00

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	0	0	100	100
%	0.00	0.00	100.00	100.00
MEAN WEIGHT	0.00	0.00	5.84	5.84
% SAMP. WT.	0.00	0.00	100.00	100.00

Table 8(cont'd)

SECTION: 201 - PORT SAN JUAN
SAMPLE NUMBERS: 188,
SOURCE: RESEARCH - INSHORE
GEAR: HERRING TRAWL
DATE: FEB 4/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	73	17	0	0	0	0	0	0	0	9	99
% AT AGE	0.00	81.11	18.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	137.19	139.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	135.44	137.35
- STD. DEV.	0.00	9.38	13.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.48	10.30
WEIGHT - MEAN(gm)	0.00	30.58	35.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.22	31.89
- STD. DEV.	0.00	8.32	16.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.18	11.51

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	42	42	4	10	1	0	0	0	0
% AT STAGE	42.42	42.42	4.04	10.10	1.01	0.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	12	0	0	12
%	100.00	0.00	0.00	100.00
% SAMPLE WEIGHT	3.19	0.00	0.00	3.19

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	15	12	72	99
%	15.15	12.12	72.73	100.00
MEAN WEIGHT	39.60	34.00	29.93	31.89
% SAMP. WT.	18.82	12.92	68.26	100.00

Table 8(cont'd)

SECTION: 219 - OFFSHORE AREA 21
SAMPLE NUMBERS: 15, 5, 7,190,
SOURCE: RESEARCH - OFFSHORE
GEAR: HERRING TRAWL
DATE: JUL 25/2000 - FEB 4/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	86	142	72	28	13	3	1	0	0	55	400
% AT AGE	0.00	24.93	41.16	20.87	8.12	3.77	0.87	0.29	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	153.87	177.59	187.07	195.07	203.46	216.67	220.00	0.00	0.00	169.96	175.61
- STD. DEV.	0.00	11.36	12.49	11.58	9.30	12.17	10.60	0.00	0.00	0.00	22.60	19.68
WEIGHT - MEAN(gm)	0.00	46.81	89.39	106.26	118.64	140.92	175.00	183.00	0.00	0.00	79.62	86.53
- STD. DEV.	0.00	9.40	22.84	21.38	20.03	22.95	13.00	0.00	0.00	0.00	32.57	33.80

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	56	256	83	4	0	0	0	1	0
% AT STAGE	14.00	64.00	20.75	1.00	0.00	0.00	0.00	0.25	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	180	0	1	181
%	99.45	0.00	0.55	100.00
% SAMPLE WEIGHT	0.00	0.00	0.00	0.00

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	127	181	92	400
%	31.75	45.25	23.00	100.00
MEAN WEIGHT	95.65	91.98	63.21	86.53
% SAMP. WT.	35.10	48.10	16.80	100.00

Table 8(cont'd)

SECTION: 239 - OFFSHORE AREA 23
SAMPLE NUMBERS: 1, 16, 8, 12, 20, 4, 11, 18, 3, 2, 24, 22, 9,
SOURCE: RESEARCH - OFFSHORE
GEAR: HERRING TRAWL
DATE: JUL 25/2000 - JUL 30/2000

SPECIMENS AT EACH AGE:	AGE										
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	113	510	297	99	62	40	9	0	1	169	1300
% AT AGE	0.00	9.99	45.09	26.26	8.75	5.48	3.54	0.80	0.00	0.09	0.00	100.00
LENGTH - MEAN(mm)	0.00	144.44	175.74	184.98	195.28	202.50	211.25	213.78	0.00	230.00	174.85	179.18
- STD. DEV.	0.00	9.31	9.50	8.68	9.87	10.05	9.52	5.09	0.00	0.00	24.08	18.91
WEIGHT - MEAN(gm)	0.00	41.79	84.74	99.78	118.43	132.08	150.43	145.56	0.00	166.00	88.39	92.25
- STD. DEV.	0.00	10.79	14.32	15.89	18.83	18.51	19.20	33.96	0.00	0.00	35.43	29.76

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	103	904	292	0	0	0	0	0	1
% AT STAGE	7.92	69.54	22.46	0.00	0.00	0.00	0.00	0.00	0.08

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	604	0	1	605
%	99.83	0.00	0.17	100.00
% SAMPLE WEIGHT	0.00	0.00	0.00	0.00

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	427	605	268	1300
%	32.85	46.54	20.62	100.00
MEAN WEIGHT	98.56	99.27	66.32	92.25
% SAMP. WT.	35.10	50.08	14.82	100.00

Table 9. Food and bait fishery sample summaries by section.

SECTION: 172 - NANOOSE BAY
SAMPLE NUMBERS: 6,249, 10,264, 26, 14, 27,191, 19,242, 21, 25, 23,
SOURCE: FOOD FISHERY
GEAR: HERRING SEINE
DATE: NOV 3/2000 - JAN 21/200.

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	2	91	560	326	85	56	22	6	2	0	150	1300
% AT AGE	0.17	7.91	48.70	28.35	7.39	4.87	1.91	0.52	0.17	0.00	0.00	100.00
LENGTH - MEAN(mm)	165.00	165.55	180.49	188.01	197.22	206.68	209.55	217.33	212.00	0.00	179.32	184.10
- STD. DEV.	7.07	10.91	9.68	10.65	10.04	9.76	10.82	7.63	12.73	0.00	17.62	14.58
WEIGHT - MEAN(gm)	71.00	66.47	90.29	103.84	123.62	144.16	151.36	166.50	154.00	0.00	91.85	98.15
- STD. DEV.	7.07	13.61	15.17	17.78	20.47	20.19	24.33	18.49	26.87	0.00	28.53	25.67

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	4	53	455	715	71	1	0	1	0
% AT STAGE	0.31	4.08	35.00	55.00	5.46	0.08	0.00	0.08	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	627	21	0	648
%	96.76	3.24	0.00	100.00
% SAMPLE WEIGHT	6.22	0.76	0.00	6.98

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	646	648	6	1300
%	49.69	49.85	0.46	100.00
MEAN WEIGHT	95.84	100.92	47.83	98.15
% SAMP. WT.	48.52	51.25	0.22	100.00

Table 10. Seine roe fishery sample summaries by section.

SECTION: 52 - KITKATLA INLET
SAMPLE NUMBERS: 211,201,225,232,243,255,236,257,230,240,
SOURCE: ROE FISHERY
GEAR: HERRING SEINE
DATE: MAR 23/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	5	223	236	61	240	103	54	13	2	61	998
% AT AGE	0.00	0.53	23.80	25.19	6.51	25.61	10.99	5.76	1.39	0.21	0.00	100.00
LENGTH - MEAN(mm)	0.00	166.40	174.79	186.72	193.00	202.69	203.91	210.39	207.23	216.50	187.00	191.57
- STD. DEV.	0.00	26.43	9.18	10.05	8.68	9.71	8.39	10.95	13.16	3.54	18.46	15.85
WEIGHT - MEAN(gm)	0.00	72.80	77.53	97.87	108.10	127.69	130.10	143.04	141.38	149.50	103.41	107.78
- STD. DEV.	0.00	41.88	13.53	17.26	15.77	20.02	17.57	26.98	30.38	23.33	28.40	28.76

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	16	828	145	9	0	0
% AT STAGE	0.00	0.00	0.00	1.60	82.97	14.53	0.90	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	13	434	3	450
%	2.89	96.44	0.67	100.00
% SAMPLE WEIGHT	0.48	27.18	0.00	27.67

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	548	450	0	998
%	54.91	45.09	0.00	100.00
MEAN WEIGHT	102.69	113.97	0.00	107.78
% SAMP. WT.	52.32	47.68	0.00	100.00

Table 10(cont'd)

SECTION: 72 - POWELL ANCHORAGE
SAMPLE NUMBERS: 229,241,254,258,234,248,233,239,198,256,
237,
SOURCE: ROE FISHERY
GEAR: HERRING SEINE
DATE: MAR 18/2001 - MAR 21/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	12	51	237	116	268	239	62	12	5	108	1100
% AT AGE	0.00	1.21	5.14	23.89	11.69	27.02	23.08	6.25	1.21	0.50	0.00	100.00
LENGTH - MEAN(mm)	0.00	149.92	171.00	185.56	191.77	200.76	204.76	207.73	217.25	221.40	191.85	195.23
- STD. DEV.	0.00	13.26	11.25	11.10	10.21	10.48	9.17	8.26	7.79	4.16	20.93	15.88
WEIGHT - MEAN(gm)	0.00	46.00	76.45	101.12	111.57	131.95	143.82	150.98	174.67	175.40	114.27	122.12
- STD. DEV.	0.00	13.20	16.67	20.42	20.99	26.13	24.66	23.72	25.59	17.49	38.53	33.32

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	2	0	8	869	217	4	0	0
% AT STAGE	0.00	0.18	0.00	0.73	79.00	19.73	0.36	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	7	606	4	617
%	1.13	98.22	0.65	100.00
% SAMPLE WEIGHT	0.17	28.67	0.00	28.84

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	481	617	2	1100
%	43.73	56.09	0.18	100.00
MEAN WEIGHT	112.85	129.57	53.50	122.12
% SAMP. WT.	40.41	59.51	0.08	100.00

Table 10(cont'd)

SECTION: 74 - THOMPSON BAY
SAMPLE NUMBERS: 247,
SOURCE: ROE FISHERY
GEAR: HERRING SEINE
DATE: MAR 20/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	4	11	25	10	14	21	5	0	0	10	100
% AT AGE	0.00	4.44	12.22	27.78	11.11	15.56	23.33	5.56	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	146.00	157.27	177.92	179.10	199.64	198.71	207.00	0.00	0.00	155.90	181.15
- STD. DEV.	0.00	6.27	15.47	14.17	12.74	11.06	10.88	15.02	0.00	0.00	41.24	24.92
WEIGHT - MEAN(gm)	0.00	47.00	60.64	88.00	93.00	144.29	135.90	167.20	0.00	0.00	70.80	104.03
- STD. DEV.	0.00	6.27	24.04	27.13	23.27	26.11	25.15	43.05	0.00	0.00	50.00	44.52

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	0	70	30	0	0	0
% AT STAGE	0.00	0.00	0.00	0.00	70.00	30.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	45	0	45
%	0.00	100.00	0.00	100.00
% SAMPLE WEIGHT	0.00	30.05	0.00	30.05

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	55	45	0	100
%	55.00	45.00	0.00	100.00
MEAN WEIGHT	88.69	122.78	0.00	104.03
% SAMP. WT.	46.89	53.11	0.00	100.00

Table 10(cont'd)

SECTION: 78 - DON PENINSULA
SAMPLE NUMBERS: 253,
SOURCE: ROE FISHERY
GEAR: HERRING SEINE
DATE: MAR 18/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	1	6	16	20	21	14	8	3	0	0	11	100
% AT AGE	1.12	6.74	17.98	22.47	23.60	15.73	8.99	3.37	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	113.00	148.17	169.69	183.35	188.67	199.43	202.75	201.00	0.00	0.00	168.27	182.14
- STD. DEV.	0.00	9.79	10.92	9.20	10.36	8.83	10.73	3.46	0.00	0.00	23.85	19.96
WEIGHT - MEAN(gm)	16.00	43.17	72.75	91.75	105.38	121.43	128.00	127.33	0.00	0.00	73.36	94.00
- STD. DEV.	0.00	9.22	14.13	18.59	17.60	18.50	22.75	15.37	0.00	0.00	29.18	30.59

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	4	86	10	0	0	0
% AT STAGE	0.00	0.00	0.00	4.00	86.00	10.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	2	45	0	47
%	4.26	95.74	0.00	100.00
% SAMPLE WEIGHT	0.45	27.24	0.00	27.69

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	53	47	0	100
%	53.00	47.00	0.00	100.00
MEAN WEIGHT	89.58	98.98	0.00	94.00
% SAMP. WT.	50.51	49.49	0.00	100.00

Table 10(cont'd)

SECTION: 142 - BAYNES SOUND
SAMPLE NUMBERS: 223,224,197,227,214,212,193,216,196,222,
SOURCE: ROE FISHERY
GEAR: HERRING SEINE
DATE: MAR 4/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	32	346	308	91	93	38	9	1	0	82	1000
% AT AGE	0.00	3.49	37.69	33.55	9.91	10.13	4.14	0.98	0.11	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	165.84	178.89	185.83	195.05	200.12	206.21	214.44	203.00	0.00	183.34	185.80
- STD. DEV.	0.00	9.75	10.15	10.85	11.49	11.06	10.21	9.25	0.00	0.00	17.47	14.41
WEIGHT - MEAN(gm)	0.00	61.28	82.58	95.19	114.05	127.86	138.74	157.11	137.00	0.00	92.34	96.52
- STD. DEV.	0.00	13.10	15.64	18.69	22.08	24.10	23.59	21.36	0.00	0.00	32.26	27.10

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	10	844	142	4	0	0
% AT STAGE	0.00	0.00	0.00	1.00	84.40	14.20	0.40	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	4	438	1	443
%	0.90	98.87	0.23	100.00
% SAMPLE WEIGHT	0.14	29.32	0.00	29.46

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	557	443	0	1000
%	55.70	44.30	0.00	100.00
MEAN WEIGHT	91.77	102.48	0.00	96.52
% SAMP. WT.	52.96	47.04	0.00	100.00

Table 11. Gillnet roe fishery sample summaries by section.

SECTION: 42 - AREA 4 NORTH
SAMPLE NUMBERS: 204,203,235,245,207,205,250,226,238,244, 252,266,
SOURCE: ROE FISHERY
GEAR: GILLNET
DATE: APR 1/2001 - APR 3/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	3	58	97	337	215	266	55	9	160	1200
% AT AGE	0.00	0.00	0.29	5.58	9.33	32.40	20.67	25.58	5.29	0.87	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	198.33	201.64	202.62	206.96	207.83	210.06	212.05	215.00	206.11	207.35
- STD. DEV.	0.00	0.00	9.29	10.27	9.97	8.66	8.76	9.13	9.70	10.45	8.76	9.40
WEIGHT - MEAN(gm)	0.00	0.00	120.00	123.45	127.18	133.23	134.31	139.60	137.84	150.33	131.61	133.96
- STD. DEV.	0.00	0.00	8.19	15.16	16.27	17.24	16.69	18.77	16.14	18.99	15.60	17.60

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	0	971	214	15	0	0
% AT STAGE	0.00	0.00	0.00	0.00	80.92	17.83	1.25	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	610	8	618
%	0.00	98.71	1.29	100.00
% SAMPLE WEIGHT	0.00	28.13	0.00	28.13

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	582	618	0	1200
%	48.50	51.50	0.00	100.00
MEAN WEIGHT	130.87	136.87	0.00	133.96
% SAMP. WT.	47.38	52.62	0.00	100.00

Table 11(cont'd)

SECTION: 77 - MILBANKE SOUND
SAMPLE NUMBERS: 265,206,263,259,251,246,213,260,231,202,
SOURCE: ROE FISHERY
GEAR: GILLNET
DATE: MAR 26/2001 - MAR 28/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	0	39	46	422	225	57	9	2	200	1000
% AT AGE	0.00	0.00	0.00	4.88	5.75	52.75	28.13	7.13	1.13	0.25	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	0.00	198.97	205.28	204.88	206.87	210.30	212.33	212.50	204.81	205.49
- STD. DEV.	0.00	0.00	0.00	6.75	10.80	7.06	7.76	8.95	9.58	2.12	7.88	7.96
WEIGHT - MEAN(gm)	0.00	0.00	0.00	126.97	131.96	134.16	136.40	144.82	151.44	142.00	135.59	135.35
- STD. DEV.	0.00	0.00	0.00	14.41	12.43	13.03	14.88	19.76	23.05	5.66	15.19	14.83

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	1	0	0	812	182	5	0	0
% AT STAGE	0.00	0.10	0.00	0.00	81.20	18.20	0.50	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	575	3	578
%	0.00	99.48	0.52	100.00
% SAMPLE WEIGHT	0.00	28.28	0.00	28.28

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	422	578	0	1000
%	42.20	57.80	0.00	100.00
MEAN WEIGHT	131.41	138.23	0.00	135.35
% SAMP. WT.	40.97	59.03	0.00	100.00

Table 11(cont'd)

SECTION: 142 - BAYNES SOUND
SAMPLE NUMBERS: 217,199,221,215,220,195,194,219,
SOURCE: ROE FISHERY
GEAR: GILLNET
DATE: MAR 6/2001 - MAR 8/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	24	120	173	237	102	16	2	2	124	800
% AT AGE	0.00	0.00	3.55	17.75	25.59	35.06	15.09	2.37	0.30	0.30	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	195.04	199.80	202.76	205.71	210.05	212.19	205.50	217.50	204.44	204.38
- STD. DEV.	0.00	0.00	5.40	7.02	7.52	7.53	9.27	9.47	0.71	14.85	8.92	8.66
WEIGHT - MEAN(gm)	0.00	0.00	117.12	125.07	129.97	136.09	143.50	145.75	168.00	157.00	135.15	133.67
- STD. DEV.	0.00	0.00	11.94	13.37	14.93	15.43	18.60	19.63	2.83	36.77	16.39	16.94

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	4	595	169	32	0	0
% AT STAGE	0.00	0.00	0.00	0.50	74.38	21.13	4.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	1	423	19	443
%	0.23	95.49	4.29	100.00
% SAMPLE WEIGHT	0.06	28.53	0.00	28.59

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	357	443	0	800
%	44.63	55.38	0.00	100.00
MEAN WEIGHT	131.80	135.18	0.00	133.67
% SAMP. WT.	44.00	56.00	0.00	100.00

Table 11(cont'd)

SECTION: 143 - QUALICUM
SAMPLE NUMBERS: 218,228,200,192,
SOURCE: ROE FISHERY
GEAR: GILLNET
DATE: MAR 6/2001 - MAR 9/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	7	70	90	108	52	18	5	1	49	400
% AT AGE	0.00	0.00	1.99	19.94	25.64	30.77	14.81	5.13	1.42	0.28	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	190.29	196.16	203.19	205.09	209.85	212.56	212.00	201.00	205.22	203.89
- STD. DEV.	0.00	0.00	4.89	5.98	7.99	8.38	9.86	8.05	10.46	0.00	12.92	9.97
WEIGHT - MEAN(gm)	0.00	0.00	116.57	121.53	133.74	134.89	141.38	149.78	144.00	156.00	136.80	133.89
- STD. DEV.	0.00	0.00	9.40	12.02	14.23	15.81	15.59	15.33	16.37	0.00	16.04	16.37

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	0	321	71	8	0	0
% AT STAGE	0.00	0.00	0.00	0.00	80.25	17.75	2.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	209	5	214
%	0.00	97.66	2.34	100.00
% SAMPLE WEIGHT	0.00	29.54	0.00	29.54

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	186	214	0	400
%	46.50	53.50	0.00	100.00
MEAN WEIGHT	132.42	135.16	0.00	133.89
% SAMP. WT.	45.99	54.01	0.00	100.00

Table 12. Spawn on kelp seine sample summaries by section.

SECTION: 6 - LOUSCOONE INLET
SAMPLE NUMBERS: 165,
SOURCE: OTHER
GEAR: HERRING SEINE
DATE: MAR 3/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	52	5	18	4	12	1	3	0	0	5	100
% AT AGE	0.00	54.74	5.26	18.95	4.21	12.63	1.05	3.16	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	171.02	185.20	205.83	215.50	221.42	231.00	223.00	0.00	0.00	179.60	188.41
- STD. DEV.	0.00	6.68	10.06	13.78	3.70	6.61	0.00	6.56	0.00	0.00	18.81	22.69
WEIGHT - MEAN(gm)	0.00	64.81	93.80	129.28	139.50	168.67	183.00	184.00	0.00	0.00	84.80	99.07
- STD. DEV.	0.00	11.08	35.29	25.88	9.54	23.35	0.00	10.15	0.00	0.00	29.25	45.45

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	7	1	10	57	16	7	1	0
% AT STAGE	1.00	7.00	1.00	10.00	57.00	16.00	7.00	1.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	9	38	1	48
%	18.75	79.17	2.08	100.00
% SAMPLE WEIGHT	0.85	23.13	0.00	23.99

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	49	48	3	100
%	49.00	48.00	3.00	100.00
MEAN WEIGHT	91.18	109.87	55.00	99.07
% SAMP. WT.	45.10	53.24	1.67	100.00

Table 12(cont'd)

SECTION: 21 - JUAN PEREZ SOUND
SAMPLE NUMBERS: 161,
SOURCE: OTHER
GEAR: HERRING SEINE
DATE: MAR 15/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	3	18	28	3	36	7	3	1	0	1	100
% AT AGE	0.00	3.03	18.18	28.28	3.03	36.36	7.07	3.03	1.01	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	166.33	179.00	190.79	190.67	204.39	216.71	213.00	221.00	0.00	199.00	195.69
- STD. DEV.	0.00	3.21	5.40	7.61	4.73	8.09	7.30	8.19	0.00	0.00	0.00	14.42
WEIGHT - MEAN(gm)	0.00	64.00	83.56	103.43	102.00	131.58	154.57	153.33	174.00	0.00	124.00	114.75
- STD. DEV.	0.00	7.00	7.60	14.88	6.56	17.15	25.54	6.11	0.00	0.00	0.00	28.45

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	2	97	0	1	0	0
% AT STAGE	0.00	0.00	0.00	2.00	97.00	0.00	1.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	49	0	49
%	0.00	100.00	0.00	100.00
% SAMPLE WEIGHT	0.00	28.60	0.00	28.60

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	51	49	0	100
%	51.00	49.00	0.00	100.00
MEAN WEIGHT	107.10	122.71	0.00	114.75
% SAMP. WT.	47.60	52.40	0.00	100.00

Table 12(cont'd)

SECTION: 24 - SELWYN INLET
SAMPLE NUMBERS: 262,261,
SOURCE: OTHER
GEAR: HERRING SEINE
DATE: APR 15/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	39	92	42	8	7	2	0	0	0	10	200
% AT AGE	0.00	20.53	48.42	22.11	4.21	3.68	1.05	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	152.54	170.14	178.45	183.25	199.14	199.50	0.00	0.00	0.00	168.20	170.27
- STD. DEV.	0.00	9.58	10.09	9.43	14.68	11.01	0.71	0.00	0.00	0.00	14.09	15.02
WEIGHT - MEAN(gm)	0.00	50.74	73.86	85.38	98.00	115.86	126.50	0.00	0.00	0.00	77.00	74.89
- STD. DEV.	0.00	9.90	13.81	16.17	20.80	15.97	7.78	0.00	0.00	0.00	22.01	21.22

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	3	82	100	15	0	0
% AT STAGE	0.00	0.00	0.00	1.50	41.00	50.00	7.50	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	1	89	1	91
%	1.10	97.80	1.10	100.00
% SAMPLE WEIGHT	0.12	26.09	0.00	26.21

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	109	91	0	200
%	54.50	45.50	0.00	100.00
MEAN WEIGHT	67.64	83.57	0.00	74.89
% SAMP. WT.	49.23	50.77	0.00	100.00

Table 12(cont'd)

SECTION: 25 - SKINCUTTLE INLET
SAMPLE NUMBERS: 177,
SOURCE: OTHER
GEAR: HERRING SEINE
DATE: MAR 7/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	3	30	21	2	36	2	2	0	0	4	100
% AT AGE	0.00	3.13	31.25	21.88	2.08	37.50	2.08	2.08	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	159.67	183.10	195.29	218.00	206.50	203.00	210.50	0.00	0.00	191.00	195.34
- STD. DEV.	0.00	4.62	7.53	8.37	15.56	9.66	2.83	6.36	0.00	0.00	19.34	14.99
WEIGHT - MEAN(gm)	0.00	57.33	79.87	100.90	149.50	126.47	114.00	143.50	0.00	0.00	90.25	104.15
- STD. DEV.	0.00	2.52	14.06	20.22	33.23	19.27	7.07	6.36	0.00	0.00	33.14	28.78

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	0	39	35	15	11	0
% AT STAGE	0.00	0.00	0.00	0.00	39.00	35.00	15.00	11.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	34	7	41
%	0.00	82.93	17.07	100.00
% SAMPLE WEIGHT	0.00	22.88	0.00	22.88

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	59	41	0	100
%	59.00	41.00	0.00	100.00
MEAN WEIGHT	99.86	110.32	0.00	104.15
% SAMP. WT.	56.57	43.43	0.00	100.00

Table 12(cont'd)

SECTION: 42 - AREA 4 NORTH
SAMPLE NUMBERS: 155,150,
SOURCE: OTHER
GEAR: HERRING SEINE
DATE: MAR 31/2001 - APR 1/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	1	101	31	12	21	13	15	2	0	4	200
% AT AGE	0.00	0.51	51.53	15.82	6.12	10.71	6.63	7.65	1.02	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	154.00	166.22	176.97	192.08	200.00	199.85	201.60	200.00	0.00	188.75	178.55
- STD. DEV.	0.00	0.00	9.79	10.19	8.49	10.27	8.92	9.97	5.66	0.00	13.74	17.60
WEIGHT - MEAN(gm)	0.00	45.00	63.65	77.81	102.67	118.90	118.15	125.00	120.00	0.00	102.75	83.39
- STD. DEV.	0.00	0.00	13.22	15.32	15.10	19.10	17.93	17.98	1.41	0.00	24.54	28.63

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	0	142	50	7	1	0
% AT STAGE	0.00	0.00	0.00	0.00	71.00	25.00	3.50	0.50	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	93	3	96
%	0.00	96.88	3.13	100.00
% SAMPLE WEIGHT	0.00	25.42	0.00	25.42

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	104	96	0	200
%	52.00	48.00	0.00	100.00
MEAN WEIGHT	78.63	88.54	0.00	83.39
% SAMP. WT.	49.03	50.97	0.00	100.00

Table 12(cont'd)

SECTION: 52 - KITKATLA INLET
SAMPLE NUMBERS: 145,
SOURCE: OTHER
GEAR: HERRING SEINE
DATE: APR 2/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	42	27	1	17	5	3	1	0	4	100
% AT AGE	0.00	0.00	43.75	28.13	1.04	17.71	5.21	3.13	1.04	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	171.83	185.48	181.00	207.12	207.60	210.33	203.00	0.00	174.50	184.97
- STD. DEV.	0.00	0.00	10.91	10.64	0.00	9.47	10.62	9.02	0.00	0.00	13.18	17.77
WEIGHT - MEAN(gm)	0.00	0.00	69.55	87.96	78.00	126.82	120.40	138.67	90.00	0.00	83.50	89.72
- STD. DEV.	0.00	0.00	14.51	18.80	0.00	20.13	18.94	19.86	0.00	0.00	16.98	28.45

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	0	59	37	4	0	0
% AT STAGE	0.00	0.00	0.00	0.00	59.00	37.00	4.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	45	1	46
%	0.00	97.83	2.17	100.00
% SAMPLE WEIGHT	0.00	28.28	0.00	28.28

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	54	46	0	100
%	54.00	46.00	0.00	100.00
MEAN WEIGHT	84.09	96.33	0.00	89.72
% SAMP. WT.	50.61	49.39	0.00	100.00

Table 12(cont'd)

SECTION: 77 - MILBANKE SOUND
SAMPLE NUMBERS: 88, 79,
SOURCE: OTHER
GEAR: HERRING SEINE
DATE: MAR 23/2001 - MAR 24/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	11	12	36	16	85	25	3	2	1	8	199
% AT AGE	0.00	5.76	6.28	18.85	8.38	44.50	13.09	1.57	1.05	0.52	0.00	100.00
LENGTH - MEAN(mm)	0.00	153.82	178.08	191.69	193.69	203.22	200.92	190.67	205.00	203.00	196.75	195.40
- STD. DEV.	0.00	11.91	12.21	7.53	12.09	9.60	7.88	8.08	5.66	0.00	12.57	15.44
WEIGHT - MEAN(gm)	0.00	52.27	78.33	99.31	107.19	121.73	119.52	94.33	111.00	135.00	108.62	108.79
- STD. DEV.	0.00	13.83	14.52	14.22	19.53	20.88	20.55	15.31	14.14	0.00	17.29	26.07

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	1	168	28	2	0	0
% AT STAGE	0.00	0.00	0.00	0.50	84.42	14.07	1.01	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	1	105	1	107
%	0.93	98.13	0.93	100.00
% SAMPLE WEIGHT	0.16	26.00	0.00	26.16

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	92	107	0	199
%	46.23	53.77	0.00	100.00
MEAN WEIGHT	102.92	113.83	0.00	108.79
% SAMP. WT.	43.74	56.26	0.00	100.00

Table 12(cont'd)

SECTION: 122 - BEAVER HARBOUR
SAMPLE NUMBERS: 209,210,208,
SOURCE: OTHER
GEAR: HERRING SEINE
DATE: MAR 28/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	36	37	145	25	15	7	1	0	1	33	300
% AT AGE	0.00	13.48	13.86	54.31	9.36	5.62	2.62	0.37	0.00	0.37	0.00	100.00
LENGTH - MEAN(mm)	0.00	154.64	169.41	180.18	183.40	195.60	198.14	210.00	0.00	199.00	173.42	176.66
- STD. DEV.	0.00	7.17	9.20	11.58	12.24	7.67	11.35	0.00	0.00	0.00	16.73	15.43
WEIGHT - MEAN(gm)	0.00	55.81	74.65	98.12	102.08	127.40	143.71	181.00	0.00	117.00	82.64	91.64
- STD. DEV.	0.00	9.01	14.99	22.43	22.96	19.54	29.52	0.00	0.00	0.00	29.25	28.87

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	2	8	237	40	13	0	0
% AT STAGE	0.00	0.00	0.67	2.67	79.00	13.33	4.33	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	7	137	2	146
%	4.79	93.84	1.37	100.00
% SAMPLE WEIGHT	0.63	27.96	0.00	28.60

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	154	146	0	300
%	51.33	48.67	0.00	100.00
MEAN WEIGHT	86.15	97.43	0.00	91.64
% SAMP. WT.	48.26	51.74	0.00	100.00

Table 12(cont'd)

SECTION: 243 - SYDNEY INLET
SAMPLE NUMBERS: 169,
SOURCE: OTHER
GEAR: HERRING SEINE
DATE: MAR 15/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	10	44	16	10	4	8	1	0	1	6	100
% AT AGE	0.00	10.64	46.81	17.02	10.64	4.26	8.51	1.06	0.00	1.06	0.00	100.00
LENGTH - MEAN(mm)	0.00	165.20	179.11	189.19	200.50	209.75	212.75	222.00	0.00	223.00	180.83	186.36
- STD. DEV.	0.00	10.97	11.31	11.22	9.80	4.35	3.92	0.00	0.00	0.00	21.57	17.78
WEIGHT - MEAN(gm)	0.00	58.70	69.50	80.19	105.80	116.00	128.50	140.00	0.00	169.00	73.33	82.27
- STD. DEV.	0.00	11.16	16.28	13.85	11.87	14.02	18.67	0.00	0.00	0.00	37.81	28.10

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	0	20	15	33	32	0
% AT STAGE	0.00	0.00	0.00	0.00	20.00	15.00	33.00	32.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	24	28	52
%	0.00	46.15	53.85	100.00
% SAMPLE WEIGHT	0.00	11.41	0.00	11.41

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	48	52	0	100
%	48.00	52.00	0.00	100.00
MEAN WEIGHT	81.23	83.23	0.00	82.27
% SAMP. WT.	47.39	52.61	0.00	100.00

Table 12(cont'd)

SECTION: 253 - ESPERANZA INLET
SAMPLE NUMBERS: 65,
SOURCE: OTHER
GEAR: HERRING SEINE
DATE: MAR 3/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	38	26	15	8	5	1	0	0	7	100
% AT AGE	0.00	0.00	40.86	27.96	16.13	8.60	5.38	1.08	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	184.39	195.73	203.07	212.50	208.60	218.00	0.00	0.00	193.86	194.60
- STD. DEV.	0.00	0.00	7.49	10.16	9.88	8.57	3.85	0.00	0.00	0.00	20.19	13.56
WEIGHT - MEAN(gm)	0.00	0.00	99.00	119.12	133.87	162.00	156.00	203.00	0.00	0.00	116.71	119.63
- STD. DEV.	0.00	0.00	12.97	18.21	22.33	17.78	11.27	0.00	0.00	0.00	36.48	28.32

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	1	44	55	0	0	0
% AT STAGE	0.00	0.00	0.00	1.00	44.00	55.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	1	59	0	60
%	1.67	98.33	0.00	100.00
% SAMPLE WEIGHT	0.29	28.31	0.00	28.60

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	40	60	0	100
%	40.00	60.00	0.00	100.00
MEAN WEIGHT	111.50	125.05	0.00	119.63
% SAMP. WT.	37.28	62.72	0.00	100.00

Table 12(cont'd)

SECTION: 273 - FORWARD INLET
SAMPLE NUMBERS: 81, 78,
SOURCE: OTHER
GEAR: HERRING SEINE
DATE: MAR 25/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	13	40	70	25	24	19	2	1	1	4	199
% AT AGE	0.00	6.67	20.51	35.90	12.82	12.31	9.74	1.03	0.51	0.51	0.00	100.00
LENGTH - MEAN(mm)	0.00	160.31	183.23	197.77	204.84	207.37	212.05	217.00	212.00	221.00	201.75	196.27
- STD. DEV.	0.00	6.52	12.34	9.12	9.27	11.54	7.91	4.24	0.00	0.00	28.14	16.81
WEIGHT - MEAN(gm)	0.00	50.92	74.28	91.06	102.44	110.83	114.16	113.50	121.00	163.00	95.50	91.91
- STD. DEV.	0.00	5.17	13.26	12.52	12.58	17.00	11.37	0.71	0.00	0.00	35.44	22.08

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	0	0	0	5	6	185	2	0
% AT STAGE	0.50	0.00	0.00	0.00	2.51	3.02	92.96	1.01	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	3	80	83
%	0.00	3.61	96.39	100.00
% SAMPLE WEIGHT	0.00	1.09	0.00	1.09

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	115	83	1	199
%	57.79	41.71	0.50	100.00
MEAN WEIGHT	88.37	97.30	51.00	91.91
% SAMP. WT.	55.57	44.16	0.28	100.00

Table 13. Test fishing sample summaries by section.

SECTION: 2 - PORT LOUIS
SAMPLE NUMBERS: 167,138,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 12/2001 - MAR 23/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	7	28	67	46	22	17	5	1	1	6	200
% AT AGE	0.00	3.61	14.43	34.54	23.71	11.34	8.76	2.58	0.52	0.52	0.00	100.00
LENGTH - MEAN(mm)	0.00	174.71	186.61	210.03	222.80	225.91	225.94	227.60	237.00	227.00	210.17	212.21
- STD. DEV.	0.00	10.95	16.38	8.82	7.83	8.59	9.78	11.15	0.00	0.00	19.73	17.99
WEIGHT - MEAN(gm)	0.00	75.71	102.36	149.79	178.15	183.59	188.35	185.20	213.00	181.00	154.67	155.58
- STD. DEV.	0.00	14.64	28.84	24.30	23.90	22.48	30.77	34.62	0.00	0.00	51.48	40.46

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	0	186	13	1	0	0
% AT STAGE	0.00	0.00	0.00	0.00	93.00	6.50	0.50	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	104	0	104
%	0.00	100.00	0.00	100.00
% SAMPLE WEIGHT	0.00	30.00	0.00	30.00

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	96	104	0	200
%	48.00	52.00	0.00	100.00
MEAN WEIGHT	143.50	166.73	0.00	155.58
% SAMP. WT.	44.27	55.73	0.00	100.00

Table 13(cont'd)

SECTION: 3 - RENNELL SOUND
SAMPLE NUMBERS: 166,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 10/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	1	2	49	36	5	4	2	0	0	1	100
% AT AGE	0.00	1.01	2.02	49.49	36.36	5.05	4.04	2.02	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	165.00	209.50	212.04	217.36	214.80	220.75	210.00	0.00	0.00	186.00	213.62
- STD. DEV.	0.00	0.00	21.92	11.59	8.43	3.35	7.89	7.07	0.00	0.00	0.00	11.77
WEIGHT - MEAN(gm)	0.00	58.00	141.50	157.51	170.86	174.80	181.75	157.50	0.00	0.00	87.00	162.13
- STD. DEV.	0.00	0.00	50.20	30.69	23.44	13.59	32.65	0.71	0.00	0.00	0.00	30.88

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	1	92	7	0	0	0
% AT STAGE	0.00	0.00	0.00	1.00	92.00	7.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	1	55	0	56
%	1.79	98.21	0.00	100.00
% SAMPLE WEIGHT	0.46	27.54	0.00	28.01

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	44	56	0	100
%	44.00	56.00	0.00	100.00
MEAN WEIGHT	146.52	174.39	0.00	162.13
% SAMP. WT.	39.76	60.24	0.00	100.00

Table 13 (cont'd)

SECTION: 5 - ENGLEFIELD BAY
SAMPLE NUMBERS: 168,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 24/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	9	3	42	13	20	6	1	1	1	4	100
% AT AGE	0.00	9.38	3.13	43.75	13.54	20.83	6.25	1.04	1.04	1.04	0.00	100.00
LENGTH - MEAN(mm)	0.00	169.78	181.00	202.19	209.69	218.70	218.17	222.00	231.00	243.00	209.50	205.06
- STD. DEV.	0.00	4.79	19.29	10.78	9.72	9.67	6.74	0.00	0.00	0.00	30.82	18.11
WEIGHT - MEAN(gm)	0.00	66.56	92.67	133.17	151.15	170.15	157.83	186.00	218.00	190.00	154.50	139.97
- STD. DEV.	0.00	8.22	34.59	24.97	23.12	27.11	13.73	0.00	0.00	0.00	66.84	39.40

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	0	74	26	0	0	0
% AT STAGE	0.00	0.00	0.00	0.00	74.00	26.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	51	0	51
%	0.00	100.00	0.00	100.00
% SAMPLE WEIGHT	0.00	28.44	0.00	28.44

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	49	51	0	100
%	49.00	51.00	0.00	100.00
MEAN WEIGHT	135.92	143.86	0.00	139.97
% SAMP. WT.	47.58	52.42	0.00	100.00

Table 13 (cont'd)

SECTION: 6 - LOUSCOONE INLET
SAMPLE NUMBERS: 134,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 4/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	40	7	19	7	20	2	1	0	1	3	100
% AT AGE	0.00	41.24	7.22	19.59	7.22	20.62	2.06	1.03	0.00	1.03	0.00	100.00
LENGTH - MEAN(mm)	0.00	168.48	179.57	205.79	220.00	223.90	217.00	224.00	0.00	231.00	188.67	193.79
- STD. DEV.	0.00	7.39	15.62	6.22	9.00	8.46	7.07	0.00	0.00	0.00	32.72	25.53
WEIGHT - MEAN(gm)	0.00	65.38	82.57	117.63	149.43	155.35	145.50	144.00	0.00	211.00	99.00	105.24
- STD. DEV.	0.00	10.00	19.21	17.56	20.45	18.39	10.61	0.00	0.00	0.00	60.51	42.41

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	4	0	22	36	8	28	2	0
% AT STAGE	0.00	4.00	0.00	22.00	36.00	8.00	28.00	2.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	21	33	18	72
%	29.17	45.83	25.00	100.00
% SAMPLE WEIGHT	4.63	10.38	0.00	15.01

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	24	72	4	100
%	24.00	72.00	4.00	100.00
MEAN WEIGHT	106.04	108.28	45.75	105.24
% SAMP. WT.	24.18	74.08	1.74	100.00

Table 13 (cont'd)

SECTION: 21 - JUAN PEREZ SOUND
SAMPLE NUMBERS: 158,176,186,178,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 7/2001 - MAR 16/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	144	3	59	44	12	57	12	1	2	0	66	400
% AT AGE	43.11	0.90	17.66	13.17	3.59	17.07	3.59	0.30	0.60	0.00	0.00	100.00
LENGTH - MEAN(mm)	101.66	146.00	178.90	190.91	199.92	204.65	208.50	225.00	221.50	0.00	112.79	146.77
- STD. DEV.	6.13	12.17	7.95	7.16	7.28	9.43	12.32	0.00	4.95	0.00	41.48	48.39
WEIGHT - MEAN(gm)	11.24	38.67	83.63	100.82	117.92	129.68	143.08	179.00	163.50	0.00	27.61	59.89
- STD. DEV.	2.41	13.43	11.42	14.28	17.69	20.61	24.31	0.00	0.71	0.00	41.30	52.91

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	198	1	0	4	175	17	5	0	0
% AT STAGE	49.50	0.25	0.00	1.00	43.75	4.25	1.25	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	3	88	0	91
%	3.30	96.70	0.00	100.00
% SAMPLE WEIGHT	0.82	27.08	0.00	27.90

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	111	91	198	400
%	27.75	22.75	49.50	100.00
MEAN WEIGHT	99.32	118.96	10.64	59.89
% SAMP. WT.	46.02	45.19	8.79	100.00

Table 13 (cont'd)

SECTION: 24 - SELWYN INLET
SAMPLE NUMBERS: 131,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 17/2001

SPECIMENS AT EACH AGE: AGE

	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	44	32	7	10	1	2	0	0	4	100
% AT AGE	0.00	0.00	45.83	33.33	7.29	10.42	1.04	2.08	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	176.00	184.28	190.43	200.00	207.00	214.00	0.00	0.00	182.50	183.39
- STD. DEV.	0.00	0.00	8.92	8.36	6.78	8.79	0.00	14.14	0.00	0.00	15.72	12.50
WEIGHT - MEAN(gm)	0.00	0.00	84.91	97.50	107.00	125.30	144.00	174.00	0.00	0.00	97.50	97.40
- STD. DEV.	0.00	0.00	16.15	17.62	15.75	16.89	0.00	48.08	0.00	0.00	23.87	24.23

HJORT MATURITY STAGES: MATURITY STAGE

	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	8	85	4	2	1	0
% AT STAGE	0.00	0.00	0.00	8.00	85.00	4.00	2.00	1.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	8	50	1	59
%	13.56	84.75	1.69	100.00
% SAMPLE WEIGHT	2.93	24.03	0.00	26.97

SEX RATIO:

	MALE	FEMALE	INMATURE	TOTAL
NO.	41	59	0	100
%	41.00	59.00	0.00	100.00
MEAN WEIGHT	88.78	103.39	0.00	97.40
% SAMP. WT.	37.37	62.63	0.00	100.00

Table 13 (cont'd)

SECTION: 25 - SKINCUTTLE INLET
SAMPLE NUMBERS: 162,163,129,184,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 5/2001 - MAR 29/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	103	120	60	15	74	10	4	0	0	14	400
% AT AGE	0.00	26.68	31.09	15.54	3.89	19.17	2.59	1.04	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	151.80	178.12	187.32	192.27	204.07	210.60	218.00	0.00	0.00	185.50	179.52
- STD. DEV.	0.00	10.80	11.24	9.24	12.42	7.84	8.14	12.83	0.00	0.00	13.12	21.71
WEIGHT - MEAN(gm)	0.00	41.11	78.93	92.78	100.67	124.46	138.40	149.50	0.00	0.00	90.86	83.11
- STD. DEV.	0.00	9.11	16.63	17.79	26.46	19.41	20.68	15.42	0.00	0.00	22.88	34.62

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	7	0	8	185	49	20	130	1
% AT STAGE	0.00	1.75	0.00	2.00	46.25	12.25	5.00	32.50	0.25

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	8	124	61	193
%	4.15	64.25	31.61	100.00
% SAMPLE WEIGHT	0.36	21.60	0.00	21.97

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	168	193	39	400
%	42.00	48.25	9.75	100.00
MEAN WEIGHT	82.92	91.95	40.23	83.11
% SAMP. WT.	41.90	53.38	4.72	100.00

Table 13 (cont'd)

SECTION: 33 - PORT SIMPSON
SAMPLE NUMBERS: 147,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 19/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	1	65	20	3	7	1	2	0	0	1	100
% AT AGE	0.00	1.01	65.66	20.20	3.03	7.07	1.01	2.02	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	158.00	168.60	186.10	201.33	196.71	209.00	208.50	0.00	0.00	165.00	176.11
- STD. DEV.	0.00	0.00	9.90	10.66	11.85	12.46	0.00	7.78	0.00	0.00	0.00	15.53
WEIGHT - MEAN(gm)	0.00	47.00	62.94	88.45	111.33	106.71	132.00	124.00	0.00	0.00	59.00	74.27
- STD. DEV.	0.00	0.00	12.53	18.51	12.10	23.69	0.00	7.07	0.00	0.00	0.00	23.22

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	1	65	34	0	0	0
% AT STAGE	0.00	0.00	0.00	1.00	65.00	34.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	1	38	0	39
%	2.56	97.44	0.00	100.00
% SAMPLE WEIGHT	0.42	25.02	0.00	25.44

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	61	39	0	100
%	61.00	39.00	0.00	100.00
MEAN WEIGHT	66.59	86.28	0.00	74.27
% SAMP. WT.	54.69	45.31	0.00	100.00

Table 13 (cont'd)

SECTION: 42 - AREA 4 NORTH
SAMPLE NUMBERS: 153,120,111,124,157,164,123,175,156,152,
172,130,159,126,179,121,112,148,154,151,
173,128,109,132,117,183,110,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 11/2001 - APR 2/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	80	1392	460	137	226	125	168	18	1	92	2699
% AT AGE	0.00	3.07	53.39	17.64	5.26	8.67	4.79	6.44	0.69	0.04	0.00	100.00
LENGTH - MEAN(mm)	0.00	149.98	164.98	179.85	190.96	200.50	202.28	208.02	205.17	220.00	175.79	176.43
- STD. DEV.	0.00	10.27	10.54	12.19	9.67	11.38	10.28	11.25	11.10	0.00	20.70	19.44
WEIGHT - MEAN(gm)	0.00	40.90	60.06	81.85	99.63	118.18	121.55	132.44	127.39	133.00	76.85	78.48
- STD. DEV.	0.00	10.02	13.89	19.12	16.66	22.06	19.69	23.94	30.15	0.00	31.67	31.15

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	7	97	21	373	1759	327	60	55	0
% AT STAGE	0.26	3.59	0.78	13.82	65.17	12.12	2.22	2.04	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	265	944	47	1256
%	21.10	75.16	3.74	100.00
% SAMPLE WEIGHT	3.54	20.61	0.00	24.15

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	1363	1256	80	2699
%	50.50	46.54	2.96	100.00
MEAN WEIGHT	75.57	84.09	39.92	78.48
% SAMP. WT.	48.63	49.86	1.51	100.00

Table 13 (cont'd)

SECTION: 52 - KITKATLA INLET
SAMPLE NUMBERS: 133,107,174,119,180,160,122,127,116,114,
115,149,125,113,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 17/2001 - MAR 23/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	51	424	321	67	287	101	65	12	3	56	1387
% AT AGE	0.00	3.83	31.86	24.12	5.03	21.56	7.59	4.88	0.90	0.23	0.00	100.00
LENGTH - MEAN(mm)	0.00	141.33	173.80	185.83	195.31	202.06	203.33	207.52	208.92	222.67	175.77	186.50
- STD. DEV.	0.00	10.61	10.58	10.66	8.94	9.84	8.78	8.89	8.69	14.47	26.57	18.92
WEIGHT - MEAN(gm)	0.00	36.67	73.91	94.83	109.70	124.82	128.32	136.51	138.50	163.00	82.18	97.63
- STD. DEV.	0.00	9.60	14.70	17.42	16.48	20.08	18.86	20.88	23.21	14.00	39.79	31.50

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	2	13	28	80	983	270	11	0	0
% AT STAGE	0.14	0.94	2.02	5.77	70.87	19.47	0.79	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	70	610	0	680
%	10.29	89.71	0.00	100.00
% SAMPLE WEIGHT	0.94	25.95	0.00	26.89

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	695	680	12	1387
%	50.11	49.03	0.87	100.00
MEAN WEIGHT	92.89	103.75	25.17	97.63
% SAMP. WT.	47.68	52.10	0.22	100.00

Table 13 (cont'd)

SECTION: 67 - KITASU BAY
SAMPLE NUMBERS: 146, 89, 83,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 7/2001 - MAR 22/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	4	21	72	28	86	68	9	4	1	6	299
% AT AGE	0.00	1.37	7.17	24.57	9.56	29.35	23.21	3.07	1.37	0.34	0.00	100.00
LENGTH - MEAN(mm)	0.00	165.00	180.71	190.28	193.11	196.74	196.25	195.78	211.50	200.00	190.00	193.23
- STD. DEV.	0.00	18.53	12.36	11.50	9.52	11.13	9.98	8.80	17.64	0.00	15.45	12.45
WEIGHT - MEAN(gm)	0.00	61.50	82.38	99.58	104.14	109.36	110.49	105.44	139.25	108.00	100.50	104.34
- STD. DEV.	0.00	15.24	19.27	22.40	19.21	22.88	20.81	14.52	46.50	0.00	20.04	23.62

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	109	177	13	0	0	0
% AT STAGE	0.00	0.00	0.00	36.45	59.20	4.35	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	67	70	0	137
%	48.91	51.09	0.00	100.00
% SAMPLE WEIGHT	10.53	14.18	0.00	24.72

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	162	137	0	299
%	54.18	45.82	0.00	100.00
MEAN WEIGHT	97.44	112.49	0.00	104.34
% SAMP. WT.	50.60	49.40	0.00	100.00

Table 13 (cont'd)

SECTION: 72 - POWELL ANCHORAGE
SAMPLE NUMBERS: 139, 87,140,102,106, 90,104,137, 80, 96, 71,135,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 9/2001 - MAR 21/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	36	107	314	137	276	202	43	12	9	64	1200
% AT AGE	0.00	3.17	9.42	27.64	12.06	24.30	17.78	3.79	1.06	0.79	0.00	100.00
LENGTH - MEAN(mm)	0.00	145.14	166.07	185.59	189.72	200.09	207.03	209.12	212.08	226.11	188.22	191.60
- STD. DEV.	0.00	15.01	14.11	11.88	11.10	11.47	10.60	10.04	7.43	7.88	23.59	19.29
WEIGHT - MEAN(gm)	0.00	41.89	69.11	98.95	107.35	129.88	147.87	157.44	159.17	192.33	111.08	114.93
- STD. DEV.	0.00	13.77	20.33	22.51	21.63	26.90	27.98	27.04	23.83	18.21	42.00	37.89

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	3	0	34	939	217	6	0	0
% AT STAGE	0.08	0.25	0.00	2.83	78.25	18.08	0.50	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	29	596	3	628
%	4.62	94.90	0.48	100.00
% SAMPLE WEIGHT	0.87	27.22	0.00	28.09

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	569	628	3	1200
%	47.42	52.33	0.25	100.00
MEAN WEIGHT	105.67	123.71	33.00	114.93
% SAMP. WT.	43.59	56.33	0.07	100.00

Table 13 (cont'd)

SECTION: 74 - THOMPSON BAY
SAMPLE NUMBERS: 103, 98, 94, 86,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 5/2001 - MAR 17/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	4	24	107	47	109	66	19	3	5	16	400
% AT AGE	0.00	1.04	6.25	27.86	12.24	28.39	17.19	4.95	0.78	1.30	0.00	100.00
LENGTH - MEAN(mm)	0.00	151.75	178.33	188.38	192.87	202.89	206.21	212.58	203.33	219.40	199.37	196.93
- STD. DEV.	0.00	11.73	11.33	11.02	10.74	9.44	9.95	10.03	7.77	4.10	10.55	14.45
WEIGHT - MEAN(gm)	0.00	54.75	85.54	102.73	111.96	133.39	137.91	161.89	136.67	172.00	130.87	121.52
- STD. DEV.	0.00	17.80	18.06	22.50	20.47	24.62	24.80	27.13	13.32	11.96	27.51	30.95

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	73	275	52	0	0	0
% AT STAGE	0.00	0.00	0.00	18.25	68.75	13.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	70	156	0	226
%	30.97	69.03	0.00	100.00
% SAMPLE WEIGHT	6.30	19.80	0.00	26.10

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	174	226	0	400
%	43.50	56.50	0.00	100.00
MEAN WEIGHT	113.70	127.54	0.00	121.52
% SAMP. WT.	40.70	59.30	0.00	100.00

Table 13 (cont'd)

SECTION: 77 - MILBANKE SOUND
SAMPLE NUMBERS: 95, 91, 84, 97,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 6/2001 - MAR 19/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	9	22	97	33	147	63	9	2	2	16	400
% AT AGE	0.00	2.34	5.73	25.26	8.59	38.28	16.41	2.34	0.52	0.52	0.00	100.00
LENGTH - MEAN(mm)	0.00	151.22	178.50	186.91	193.61	195.92	199.27	197.56	194.00	202.50	193.25	192.06
- STD. DEV.	0.00	6.06	9.73	8.92	6.68	9.06	9.39	7.86	4.24	0.71	14.41	12.27
WEIGHT - MEAN(gm)	0.00	48.67	85.36	97.69	106.61	115.12	121.79	119.22	124.00	132.50	112.62	108.24
- STD. DEV.	0.00	5.22	13.48	15.68	14.42	18.60	18.83	11.51	12.73	7.78	20.34	21.83

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	127	238	35	0	0	0
% AT STAGE	0.00	0.00	0.00	31.75	59.50	8.75	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	75	115	0	190
%	39.47	60.53	0.00	100.00
% SAMPLE WEIGHT	8.74	15.06	0.00	23.80

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	210	190	0	400
%	52.50	47.50	0.00	100.00
MEAN WEIGHT	103.50	113.47	0.00	108.24
% SAMP. WT.	50.20	49.80	0.00	100.00

Table 13 (cont'd)

SECTION: 78 - DON PENINSULA
SAMPLE NUMBERS: 82, 85,100,101,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 14/2001 - MAR 17/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	19	39	95	49	92	66	13	2	4	21	400
% AT AGE	0.00	5.01	10.29	25.07	12.93	24.27	17.41	3.43	0.53	1.06	0.00	100.00
LENGTH - MEAN(mm)	0.00	135.74	166.79	184.77	187.49	201.05	205.98	209.62	223.00	214.75	188.76	189.77
- STD. DEV.	0.00	16.49	12.66	9.97	9.95	10.16	11.22	9.22	8.49	8.06	29.47	21.18
WEIGHT - MEAN(gm)	0.00	36.95	71.72	102.57	104.61	137.71	151.45	159.08	204.00	165.75	116.90	116.57
- STD. DEV.	0.00	15.51	18.27	20.76	19.97	27.00	27.90	26.57	19.80	25.40	52.15	40.46

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	2	1	28	338	30	0	0	0
% AT STAGE	0.25	0.50	0.25	7.00	84.50	7.50	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	12	198	0	210
%	5.71	94.29	0.00	100.00
% SAMPLE WEIGHT	0.88	26.60	0.00	27.49

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	187	210	3	400
%	46.75	52.50	0.75	100.00
MEAN WEIGHT	107.67	125.66	35.33	116.57
% SAMP. WT.	43.18	56.59	0.23	100.00

Table 13 (cont'd)

SECTION: 85 - KWAKSHUA CHANNEL
SAMPLE NUMBERS: 93, 99,136,141,105,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 3/2001 - MAR 23/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	7	37	191	60	80	83	15	1	1	25	500
% AT AGE	0.00	1.47	7.79	40.21	12.63	16.84	17.47	3.16	0.21	0.21	0.00	100.00
LENGTH - MEAN(mm)	0.00	147.71	165.05	178.08	180.35	187.45	190.29	195.13	200.00	211.00	178.48	181.13
- STD. DEV.	0.00	5.50	8.81	11.45	13.37	11.20	13.06	12.25	0.00	0.00	21.52	14.80
WEIGHT - MEAN(gm)	0.00	43.14	65.30	85.18	91.78	101.16	107.46	118.33	110.00	134.00	90.24	91.56
- STD. DEV.	0.00	8.99	12.96	20.97	23.42	23.99	29.22	26.86	0.00	0.00	41.54	27.61

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	2	2	156	323	17	0	0	0
% AT STAGE	0.00	0.40	0.40	31.20	64.60	3.40	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	90	135	0	225
%	40.00	60.00	0.00	100.00
% SAMPLE WEIGHT	9.14	16.79	0.00	25.93

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	274	225	1	500
%	54.80	45.00	0.20	100.00
MEAN WEIGHT	85.62	99.07	30.00	91.56
% SAMP. WT.	51.24	48.69	0.07	100.00

Table 13 (cont'd)

SECTION: 93 - RIVERS INLET HEAD
SAMPLE NUMBERS: 92,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 11/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	4	12	19	13	21	11	3	0	0	17	100
% AT AGE	0.00	4.82	14.46	22.89	15.66	25.30	13.25	3.61	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	136.75	143.83	160.11	159.46	162.29	167.27	174.33	0.00	0.00	155.82	158.08
- STD. DEV.	0.00	14.03	14.44	16.49	12.76	8.85	15.11	10.21	0.00	0.00	13.69	15.35
WEIGHT - MEAN(gm)	0.00	35.75	43.67	64.68	62.77	66.33	71.45	76.67	0.00	0.00	56.53	60.82
- STD. DEV.	0.00	8.38	14.18	19.52	14.56	12.15	20.02	20.43	0.00	0.00	15.19	18.16

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	1	12	84	3	0	0	0
% AT STAGE	0.00	0.00	1.00	12.00	84.00	3.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	5	44	0	49
%	10.20	89.80	0.00	100.00
% SAMPLE WEIGHT	1.40	25.02	0.00	26.42

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	51	49	0	100
%	51.00	49.00	0.00	100.00
MEAN WEIGHT	59.14	62.57	0.00	60.82
% SAMP. WT.	49.59	50.41	0.00	100.00

Table 13 (cont'd)

SECTION: 102 - TAKUSH HARBOUR
SAMPLE NUMBERS: 144,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 10/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	10	17	16	18	29	5	2	0	3	100
% AT AGE	0.00	0.00	10.31	17.53	16.49	18.56	29.90	5.15	2.06	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	177.40	180.71	175.87	181.56	184.52	177.20	199.00	0.00	169.67	180.72
- STD. DEV.	0.00	0.00	15.76	11.43	11.64	16.45	14.61	13.01	7.07	0.00	9.07	14.16
WEIGHT - MEAN(gm)	0.00	0.00	82.40	92.88	84.88	95.33	102.86	87.00	121.00	0.00	73.33	93.57
- STD. DEV.	0.00	0.00	25.48	21.01	22.56	31.81	31.57	19.84	5.66	0.00	11.15	27.61

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	6	79	15	0	0	0
% AT STAGE	0.00	0.00	0.00	6.00	79.00	15.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	4	49	0	53
%	7.55	92.45	0.00	100.00
% SAMPLE WEIGHT	1.40	26.50	0.00	27.90

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	47	53	0	100
%	47.00	53.00	0.00	100.00
MEAN WEIGHT	89.66	97.04	0.00	93.57
% SAMP. WT.	45.04	54.96	0.00	100.00

Table 13 (cont'd)

SECTION: 142 - BAYNES SOUND
SAMPLE NUMBERS: 49, 22, 50, 57, 16, 4, 42, 64, 56, 17,
75, 5, 1, 18, 26, 19, 10, 9, 21, 72,
60, 63, 67, 52, 45, 41, 12, 62, 66, 40,
44, 46, 13, 35, 2, 27, 11, 47,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 24/2001 - MAR 16/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	187	1598	1089	343	326	77	16	3	1	159	3799
% AT AGE	0.00	5.14	43.90	29.92	9.42	8.96	2.12	0.44	0.08	0.03	0.00	100.00
LENGTH - MEAN(mm)	0.00	166.07	179.81	187.00	197.31	202.55	209.14	210.12	205.00	207.00	185.31	185.71
- STD. DEV.	0.00	10.58	9.95	10.68	11.11	11.45	9.38	17.27	15.52	0.00	17.08	14.22
WEIGHT - MEAN(gm)	0.00	63.66	85.54	98.81	119.38	132.06	147.58	148.44	152.00	133.00	96.67	97.37
- STD. DEV.	0.00	14.40	16.65	20.15	23.76	24.41	23.11	38.26	32.51	0.00	30.82	27.00

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	3	19	9	167	3085	495	19	2	0
% AT STAGE	0.08	0.50	0.24	4.40	81.21	13.03	0.50	0.05	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	101	1813	15	1929
%	5.24	93.99	0.78	100.00
% SAMPLE WEIGHT	0.77	26.36	0.01	27.13

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	1867	1929	3	3799
%	49.14	50.78	0.08	100.00
MEAN WEIGHT	91.23	103.40	40.33	97.37
% SAMP. WT.	46.05	53.92	0.03	100.00

Table 13 (cont'd)

SECTION: 143 - QUALICUM
SAMPLE NUMBERS: 77, 28,142, 68, 3, 14, 29, 7, 38, 6, 39, 15, 31,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 22/2001 - MAR 8/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	163	595	283	83	66	19	7	0	0	84	1300
% AT AGE	0.00	13.40	48.93	23.27	6.83	5.43	1.56	0.58	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	165.09	178.34	187.74	197.99	203.91	211.16	218.29	0.00	0.00	181.86	182.20
- STD. DEV.	0.00	10.40	9.99	10.95	12.68	9.69	8.03	6.65	0.00	0.00	19.02	15.29
WEIGHT - MEAN(gm)	0.00	60.73	82.22	99.20	120.72	132.33	141.42	160.86	0.00	0.00	89.37	89.98
- STD. DEV.	0.00	12.63	16.90	19.17	26.39	23.64	19.86	13.84	0.00	0.00	33.26	27.39

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	14	8	263	909	91	14	1	0
% AT STAGE	0.00	1.08	0.62	20.23	69.92	7.00	1.08	0.08	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	180	459	10	649
%	27.73	70.72	1.54	100.00
% SAMPLE WEIGHT	4.60	21.16	0.09	25.86

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	648	649	3	1300
%	49.85	49.92	0.23	100.00
MEAN WEIGHT	85.93	94.23	45.33	89.98
% SAMP. WT.	47.60	52.28	0.12	100.00

Table 13 (cont'd)

SECTION: 172 - NANOOSE BAY
SAMPLE NUMBERS: 33, 76,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 24/2001 - FEB 26/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	28	91	46	10	7	4	0	1	1	12	200
% AT AGE	0.00	14.89	48.40	24.47	5.32	3.72	2.13	0.00	0.53	0.53	0.00	100.00
LENGTH - MEAN(mm)	0.00	161.32	173.81	182.43	195.80	208.14	223.00	0.00	217.00	213.00	177.00	177.93
- STD. DEV.	0.00	11.78	12.58	11.77	11.96	9.53	5.89	0.00	0.00	0.00	18.60	17.46
WEIGHT - MEAN(gm)	0.00	56.29	76.75	92.87	122.40	139.57	170.00	0.00	170.00	155.00	85.42	85.32
- STD. DEV.	0.00	12.23	19.70	21.10	18.86	22.12	27.03	0.00	0.00	0.00	37.51	30.96

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	1	2	40	135	21	1	0	0
% AT STAGE	0.00	0.50	1.00	20.00	67.50	10.50	0.50	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	26	59	1	86
%	30.23	68.60	1.16	100.00
% SAMPLE WEIGHT	6.26	18.59	0.00	24.85

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	114	86	0	200
%	57.00	43.00	0.00	100.00
MEAN WEIGHT	81.03	91.00	0.00	85.32
% SAMP. WT.	54.13	45.87	0.00	100.00

Table 13 (cont'd)

SECTION: 173 - YELLOW POINT
SAMPLE NUMBERS: 182, 8, 25, 24,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 25/2001 - MAR 12/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	29	158	91	27	32	28	4	1	0	30	400
% AT AGE	0.00	7.84	42.70	24.59	7.30	8.65	7.57	1.08	0.27	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	156.97	179.21	185.66	202.07	207.81	214.79	220.25	191.00	0.00	174.60	185.48
- STD. DEV.	0.00	13.86	13.61	18.23	11.76	12.92	8.49	7.68	0.00	0.00	25.09	21.19
WEIGHT - MEAN(gm)	0.00	54.17	86.80	98.74	126.96	142.25	162.18	156.50	92.00	0.00	83.33	100.03
- STD. DEV.	0.00	14.55	20.24	29.95	23.71	23.95	22.25	31.05	0.00	0.00	38.65	36.71

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	19	309	68	2	2	0
% AT STAGE	0.00	0.00	0.00	4.75	77.25	17.00	0.50	0.50	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	11	190	0	201
%	5.47	94.53	0.00	100.00
% SAMPLE WEIGHT	0.90	26.82	0.00	27.72

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	199	201	0	400
%	49.75	50.25	0.00	100.00
MEAN WEIGHT	96.23	103.78	0.00	100.03
% SAMP. WT.	47.86	52.14	0.00	100.00

Table 13 (cont'd)

SECTION: 181 - SWANSON CHANNEL
SAMPLE NUMBERS: 143,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 18/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	5	47	19	8	7	3	3	0	0	8	100
% AT AGE	0.00	5.43	51.09	20.65	8.70	7.61	3.26	3.26	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	167.80	182.68	188.95	201.87	200.71	211.33	209.00	0.00	0.00	193.62	188.45
- STD. DEV.	0.00	4.15	8.84	11.01	12.92	13.44	6.51	18.03	0.00	0.00	28.35	15.48
WEIGHT - MEAN(gm)	0.00	64.80	89.06	104.89	120.62	127.71	147.33	147.33	0.00	0.00	115.62	101.71
- STD. DEV.	0.00	9.58	15.45	19.19	25.53	30.99	30.89	46.18	0.00	0.00	56.35	30.63

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	0	99	0	1	0	0
% AT STAGE	0.00	0.00	0.00	0.00	99.00	0.00	1.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	54	0	54
%	0.00	100.00	0.00	100.00
% SAMPLE WEIGHT	0.00	30.87	0.00	30.87

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	46	54	0	100
%	46.00	54.00	0.00	100.00
MEAN WEIGHT	95.33	107.15	0.00	101.71
% SAMP. WT.	43.11	56.89	0.00	100.00

Table 13 (cont'd)

SECTION: 191 - SAANICH INLET
SAMPLE NUMBERS: 20,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 25/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	55	21	11	2	0	0	0	0	0	11	100
% AT AGE	0.00	61.80	23.60	12.36	2.25	0.00	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	140.07	167.38	178.36	180.00	0.00	0.00	0.00	0.00	0.00	133.45	150.09
- STD. DEV.	0.00	17.67	23.39	14.26	24.04	0.00	0.00	0.00	0.00	0.00	26.67	25.22
WEIGHT - MEAN(gm)	0.00	37.87	70.71	86.36	86.00	0.00	0.00	0.00	0.00	0.00	35.27	50.78
- STD. DEV.	0.00	17.39	29.23	21.55	32.53	0.00	0.00	0.00	0.00	0.00	29.84	29.23

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	10	27	7	53	3	0	0	0	0
% AT STAGE	10.00	27.00	7.00	53.00	3.00	0.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	40	1	0	41
%	97.56	2.44	0.00	100.00
% SAMPLE WEIGHT	16.64	0.65	0.00	17.30

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	45	41	14	100
%	45.00	41.00	14.00	100.00
MEAN WEIGHT	53.87	56.27	24.79	50.78
% SAMP. WT.	47.74	45.43	6.83	100.00

Table 13 (cont'd)

SECTION: 232 - MACOAH PASS
SAMPLE NUMBERS: 59, 34, 48, 58, 51, 43, 32, 37, 73, 36,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 26/2001 - MAR 17/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	88	482	161	82	44	70	11	1	2	59	1000
% AT AGE	0.00	9.35	51.22	17.11	8.71	4.68	7.44	1.17	0.11	0.21	0.00	100.00
LENGTH - MEAN(mm)	0.00	169.09	181.48	189.36	201.16	206.73	213.84	220.64	214.00	238.50	187.31	187.57
- STD. DEV.	0.00	8.42	9.48	10.36	10.85	11.00	8.29	12.83	0.00	16.26	20.23	16.07
WEIGHT - MEAN(gm)	0.00	67.27	87.00	101.06	119.46	134.32	150.94	163.18	127.00	196.00	100.66	98.65
- STD. DEV.	0.00	11.55	14.55	19.29	23.47	23.97	22.46	37.22	0.00	14.14	37.15	29.56

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	1	1	36	699	209	53	0	0
% AT STAGE	0.10	0.10	0.10	3.60	69.90	20.90	5.30	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	24	405	15	444
%	5.41	91.22	3.38	100.00
% SAMPLE WEIGHT	0.90	24.53	0.04	25.47

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	554	444	2	1000
%	55.40	44.40	0.20	100.00
MEAN WEIGHT	95.67	102.15	147.50	98.65
% SAMP. WT.	53.73	45.97	0.30	100.00

Table 13 (cont'd)

SECTION: 239 - OFFSHORE AREA 23
SAMPLE NUMBERS: 53, 70, 55,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 23/2001 - MAR 6/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	29	130	39	22	28	30	5	2	1	12	298
% AT AGE	0.00	10.14	45.45	13.64	7.69	9.79	10.49	1.75	0.70	0.35	0.00	100.00
LENGTH - MEAN(mm)	0.00	163.17	179.86	186.46	203.32	208.75	213.90	222.00	221.50	225.00	186.75	188.39
- STD. DEV.	0.00	10.86	9.26	12.84	9.61	9.36	8.00	5.05	4.95	0.00	23.71	18.93
WEIGHT - MEAN(gm)	0.00	61.17	79.43	88.23	111.45	118.11	133.93	150.00	138.00	203.00	94.50	92.89
- STD. DEV.	0.00	9.94	13.67	16.90	16.19	18.91	25.37	27.96	16.97	0.00	33.10	28.96

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	4	69	87	137	1	0
% AT STAGE	0.00	0.00	0.00	1.34	23.15	29.19	45.97	0.34	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	3	79	44	126
%	2.38	62.70	34.92	100.00
% SAMPLE WEIGHT	0.60	13.67	0.00	14.27

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	172	126	0	298
%	57.72	42.28	0.00	100.00
MEAN WEIGHT	87.67	100.01	0.00	92.89
% SAMP. WT.	54.48	45.52	0.00	100.00

Table 13 (cont'd)

SECTION: 243 - SYDNEY INLET
SAMPLE NUMBERS: 185,181,170,171,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 2/2001 - MAR 9/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	25	165	70	23	34	46	1	0	0	36	400
% AT AGE	0.00	6.87	45.33	19.23	6.32	9.34	12.64	0.27	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	166.52	182.55	192.93	204.83	211.59	218.41	215.00	0.00	0.00	195.06	192.45
- STD. DEV.	0.00	15.21	9.74	10.59	8.72	9.31	9.38	0.00	0.00	0.00	16.95	17.92
WEIGHT - MEAN(gm)	0.00	71.48	93.57	113.71	133.65	152.74	168.93	168.00	0.00	0.00	116.92	114.00
- STD. DEV.	0.00	21.74	14.50	21.61	18.24	22.15	23.76	0.00	0.00	0.00	35.63	34.95

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	12	311	75	2	0	0
% AT STAGE	0.00	0.00	0.00	3.00	77.75	18.75	0.50	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	8	160	1	169
%	4.73	94.67	0.59	100.00
% SAMPLE WEIGHT	0.84	28.91	0.00	29.75

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	231	169	0	400
%	57.75	42.25	0.00	100.00
MEAN WEIGHT	104.83	126.54	0.00	114.00
% SAMP. WT.	53.10	46.90	0.00	100.00

Table 13 (cont'd)

SECTION: 252 - NOOTKA SOUND
SAMPLE NUMBERS: 74,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 8/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	2	40	20	6	10	16	3	1	0	2	100
% AT AGE	0.00	2.04	40.82	20.41	6.12	10.20	16.33	3.06	1.02	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	164.50	187.70	193.20	204.67	211.80	216.37	214.00	216.00	0.00	182.50	197.32
- STD. DEV.	0.00	9.19	8.87	8.92	10.13	11.30	6.06	3.00	0.00	0.00	3.54	15.23
WEIGHT - MEAN(gm)	0.00	62.50	98.68	111.70	140.33	158.40	164.69	163.67	152.00	0.00	92.50	121.95
- STD. DEV.	0.00	4.95	14.61	14.40	25.45	34.24	10.60	20.11	0.00	0.00	9.19	33.62

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	1	81	18	0	0	0
% AT STAGE	0.00	0.00	0.00	1.00	81.00	18.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	1	52	0	53
%	1.89	98.11	0.00	100.00
% SAMPLE WEIGHT	0.24	28.26	0.00	28.50

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	46	53	1	100
%	46.00	53.00	1.00	100.00
MEAN WEIGHT	109.87	132.21	134.00	121.95
% SAMP. WT.	41.44	57.46	1.10	100.00

Table 13 (cont'd)

SECTION: 253 - ESPERANZA INLET
SAMPLE NUMBERS: 23, 61, 30, 54, 69,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 26/2001 - MAR 14/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	10	174	143	39	50	47	9	1	1	26	500
% AT AGE	0.00	2.11	36.71	30.17	8.23	10.55	9.92	1.90	0.21	0.21	0.00	100.00
LENGTH - MEAN(mm)	0.00	163.60	185.13	194.83	204.33	208.22	218.45	212.33	130.00	235.00	187.96	195.04
- STD. DEV.	0.00	9.32	9.51	9.13	11.86	11.71	6.22	15.10	0.00	0.00	26.90	16.55
WEIGHT - MEAN(gm)	0.00	62.20	94.87	116.87	134.26	146.26	168.34	144.33	184.00	165.00	109.62	117.60
- STD. DEV.	0.00	12.51	16.62	18.19	24.89	24.22	20.82	23.45	0.00	0.00	46.78	32.77

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	0	0	12	412	61	14	0	0
% AT STAGE	0.20	0.00	0.00	2.40	82.40	12.20	2.80	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	11	241	5	257
%	4.28	93.77	1.95	100.00
% SAMPLE WEIGHT	0.58	27.15	0.00	27.73

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	242	257	1	500
%	48.40	51.40	0.20	100.00
MEAN WEIGHT	109.74	124.84	161.00	117.60
% SAMP. WT.	45.16	54.56	0.27	100.00

Table 14. Test fishing sample summaries by statistical area.

AREA: 2W - WEST COAST Q.C.I.
SAMPLE NUMBERS: 134,167,138,168,166,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 4/2001 - MAR 24/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	57	40	177	102	67	29	9	2	3	14	500
% AT AGE	0.00	11.73	8.23	36.42	20.99	13.79	5.97	1.85	0.41	0.62	0.00	100.00
LENGTH - MEAN(mm)	0.00	169.39	186.10	208.27	219.02	222.33	223.00	222.67	234.00	233.67	203.64	207.38
- STD. DEV.	0.00	7.66	17.11	10.56	9.31	9.22	9.20	11.14	4.24	8.33	25.29	20.16
WEIGHT - MEAN(gm)	0.00	66.70	100.12	144.53	170.17	170.49	178.17	174.56	215.50	194.00	137.86	143.70
- STD. DEV.	0.00	10.73	30.16	28.66	25.28	24.68	30.37	29.60	3.54	15.39	58.11	43.94

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	4	0	23	388	54	29	2	0
% AT STAGE	0.00	0.80	0.00	4.60	77.60	10.80	5.80	0.40	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	22	243	18	283
%	7.77	85.87	6.36	100.00
% SAMPLE WEIGHT	0.96	25.54	0.00	26.50

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	213	283	4	500
%	42.60	56.60	0.80	100.00
MEAN WEIGHT	138.16	149.25	45.75	143.70
% SAMP. WT.	40.96	58.79	0.25	100.00

Table 14 (cont'd)

AREA: 2E - EAST COAST Q.C.I.
SAMPLE NUMBERS: 162,131,184,158,176,129,186,178,163,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 5/2001 - MAR 29/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	144	106	223	136	34	141	23	7	2	0	84	900
% AT AGE	17.65	12.99	27.33	16.67	4.17	17.28	2.82	0.86	0.25	0.00	0.00	100.00
LENGTH - MEAN(mm)	101.66	151.63	177.91	187.76	194.59	204.01	209.35	217.86	221.50	0.00	128.23	165.40
- STD. DEV.	6.13	10.82	10.03	8.71	10.39	8.60	10.21	11.36	4.95	0.00	47.63	39.31
WEIGHT - MEAN(gm)	11.24	41.04	81.35	96.49	108.06	126.63	141.09	160.71	163.50	0.00	41.48	74.38
- STD. DEV.	2.41	9.17	15.49	16.94	22.51	19.77	21.82	26.51	0.71	0.00	46.41	45.00

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	198	8	0	20	445	70	27	131	1
% AT STAGE	22.00	0.89	0.00	2.22	49.44	7.78	3.00	14.56	0.11

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	19	262	62	343
%	5.54	76.38	18.08	100.00
% SAMPLE WEIGHT	0.96	23.74	0.00	24.70

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	320	343	237	900
%	35.56	38.11	26.33	100.00
MEAN WEIGHT	89.36	101.08	15.51	74.38
% SAMP. WT.	42.72	51.79	5.49	100.00

Table 14 (cont'd)

AREA: 3 - NASS
SAMPLE NUMBERS: 147,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 19/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	1	65	20	3	7	1	2	0	0	1	100
% AT AGE	0.00	1.01	65.66	20.20	3.03	7.07	1.01	2.02	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	158.00	168.60	186.10	201.33	196.71	209.00	208.50	0.00	0.00	165.00	176.11
- STD. DEV.	0.00	0.00	9.90	10.66	11.85	12.46	0.00	7.78	0.00	0.00	0.00	15.53
WEIGHT - MEAN(gm)	0.00	47.00	62.94	88.45	111.33	106.71	132.00	124.00	0.00	0.00	59.00	74.27
- STD. DEV.	0.00	0.00	12.53	18.51	12.10	23.69	0.00	7.07	0.00	0.00	0.00	23.22

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	1	65	34	0	0	0
% AT STAGE	0.00	0.00	0.00	1.00	65.00	34.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	1	38	0	39
%	2.56	97.44	0.00	100.00
% SAMPLE WEIGHT	0.42	25.02	0.00	25.44

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	61	39	0	100
%	61.00	39.00	0.00	100.00
MEAN WEIGHT	66.59	86.28	0.00	74.27
% SAMP. WT.	54.69	45.31	0.00	100.00

Table 14 (cont'd)

AREA: 4 - SKEENA
SAMPLE NUMBERS: 153,124,120,111,157,164,123,173,128,109,
132,117,183,110,175,156,152,172,130,159,
126,179,121,112,148,154,151,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 11/2001 - APR 2/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	80	1392	460	137	226	125	168	18	1	92	2699
% AT AGE	0.00	3.07	53.39	17.64	5.26	8.67	4.79	6.44	0.69	0.04	0.00	100.00
LENGTH - MEAN(mm)	0.00	149.98	164.98	179.85	190.96	200.50	202.28	208.02	205.17	220.00	175.79	176.43
- STD. DEV.	0.00	10.27	10.54	12.19	9.67	11.38	10.28	11.25	11.10	0.00	20.70	19.44
WEIGHT - MEAN(gm)	0.00	40.90	60.06	81.85	99.63	118.18	121.55	132.44	127.39	133.00	76.85	78.48
- STD. DEV.	0.00	10.02	13.89	19.12	16.66	22.06	19.69	23.94	30.15	0.00	31.67	31.15

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	7	97	21	373	1759	327	60	55	0
% AT STAGE	0.26	3.59	0.78	13.82	65.17	12.12	2.22	2.04	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	265	944	47	1256
%	21.10	75.16	3.74	100.00
% SAMPLE WEIGHT	3.54	20.61	0.00	24.15

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	1363	1256	80	2699
%	50.50	46.54	2.96	100.00
MEAN WEIGHT	75.57	84.09	39.92	78.48
% SAMP. WT.	48.63	49.86	1.51	100.00

Table 14 (cont'd)

AREA: 5 - GRENVILLE-PRINCIPE
SAMPLE NUMBERS: 116,114,115,149,133,107,174,119,180,160,
122,127,125,113,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 17/2001 - MAR 23/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	51	424	321	67	287	101	65	12	3	56	1387
% AT AGE	0.00	3.83	31.86	24.12	5.03	21.56	7.59	4.88	0.90	0.23	0.00	100.00
LENGTH - MEAN(mm)	0.00	141.33	173.80	185.83	195.31	202.06	203.33	207.52	208.92	222.67	175.77	186.50
- STD. DEV.	0.00	10.61	10.58	10.66	8.94	9.84	8.78	8.89	8.69	14.47	26.57	18.92
WEIGHT - MEAN(gm)	0.00	36.67	73.91	94.83	109.70	124.82	128.32	136.51	138.50	163.00	82.18	97.63
- STD. DEV.	0.00	9.60	14.70	17.42	16.48	20.08	18.86	20.88	23.21	14.00	39.79	31.50

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	2	13	28	80	983	270	11	0	0
% AT STAGE	0.14	0.94	2.02	5.77	70.87	19.47	0.79	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	70	610	0	680
%	10.29	89.71	0.00	100.00
% SAMPLE WEIGHT	0.94	25.95	0.00	26.89

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	695	680	12	1387
%	50.11	49.03	0.87	100.00
MEAN WEIGHT	92.89	103.75	25.17	97.63
% SAMP. WT.	47.68	52.10	0.22	100.00

Table 14 (cont'd)

AREA: 6 - BUTEDALE
SAMPLE NUMBERS: 83,146, 89,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 7/2001 - MAR 22/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	4	21	72	28	86	68	9	4	1	6	299
% AT AGE	0.00	1.37	7.17	24.57	9.56	29.35	23.21	3.07	1.37	0.34	0.00	100.00
LENGTH - MEAN(mm)	0.00	165.00	180.71	190.28	193.11	196.74	196.25	195.78	211.50	200.00	190.00	193.23
- STD. DEV.	0.00	18.53	12.36	11.50	9.52	11.13	9.98	8.80	17.64	0.00	15.45	12.45
WEIGHT - MEAN(gm)	0.00	61.50	82.38	99.58	104.14	109.36	110.49	105.44	139.25	108.00	100.50	104.34
- STD. DEV.	0.00	15.24	19.27	22.40	19.21	22.88	20.81	14.52	46.50	0.00	20.04	23.62

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	109	177	13	0	0	0
% AT STAGE	0.00	0.00	0.00	36.45	59.20	4.35	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	67	70	0	137
%	48.91	51.09	0.00	100.00
% SAMPLE WEIGHT	10.53	14.18	0.00	24.72

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	162	137	0	299
%	54.18	45.82	0.00	100.00
MEAN WEIGHT	97.44	112.49	0.00	104.34
% SAMP. WT.	50.60	49.40	0.00	100.00

Table 14 (cont'd)

AREA: 7 - BELLA BELLA
SAMPLE NUMBERS: 102, 94,106, 82, 90, 95, 85,104, 98,137, 86,100,139, 87,140,101, 80, 97, 84, 96, 91, 71,103,135,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 5/2001 - MAR 21/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	68	192	613	266	624	397	84	19	20	117	2400
% AT AGE	0.00	2.98	8.41	26.85	11.65	27.33	17.39	3.68	0.83	0.88	0.00	100.00
LENGTH - MEAN(mm)	0.00	143.71	169.18	186.16	190.35	199.74	205.49	208.74	209.95	219.80	190.53	192.26
- STD. DEV.	0.00	15.23	13.98	11.07	10.52	10.65	10.74	10.40	10.15	9.79	22.55	18.03
WEIGHT - MEAN(gm)	0.00	42.16	73.56	99.97	107.57	128.17	142.67	154.61	156.63	175.95	115.04	115.18
- STD. DEV.	0.00	14.28	20.02	21.34	20.38	25.92	27.95	28.28	28.91	25.03	40.28	35.27

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	2	5	1	262	1790	334	6	0	0
% AT STAGE	0.08	0.21	0.04	10.92	74.58	13.92	0.25	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	186	1065	3	1254
%	14.83	84.93	0.24	100.00
% SAMPLE WEIGHT	2.99	24.03	0.00	27.02

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	1140	1254	6	2400
%	47.50	52.25	0.25	100.00
MEAN WEIGHT	106.82	123.18	34.17	115.18
% SAMP. WT.	44.05	55.88	0.07	100.00

Table 14 (cont'd)

AREA: 8 - BELL[illegible] COOLA
SAMPLE NUMBERS: 136,141,10[illegible], 93, 99,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 3/2001 - MAR 23/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	7	37	191	60	80	83	15	1	1	25	500
% AT AGE	0.00	1.47	7.79	40.21	12.63	16.84	17.47	3.16	0.21	0.21	0.00	100.00
LENGTH - MEAN(mm)	0.00	147.71	165.05	178.08	180.35	187.45	190.29	195.13	200.00	211.00	178.48	181.13
- STD. DEV.	0.00	5.50	8.81	11.45	13.37	11.20	13.06	12.25	0.00	0.00	21.52	14.80
WEIGHT - MEAN(gm)	0.00	43.14	65.30	85.18	91.78	101.16	107.46	118.33	110.00	134.00	90.24	91.56
- STD. DEV.	0.00	8.99	12.96	20.97	23.42	23.99	29.22	26.86	0.00	0.00	41.54	27.61

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	2	2	156	323	17	0	0	0
% AT STAGE	0.00	0.40	0.40	31.20	64.60	3.40	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	90	135	0	225
%	40.00	60.00	0.00	100.00
% SAMPLE WEIGHT	9.14	16.79	0.00	25.93

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	274	225	1	500
%	54.80	45.00	0.20	100.00
MEAN WEIGHT	85.62	99.07	30.00	91.56
% SAMP. WT.	51.24	48.69	0.07	100.00

Table 14 (cont'd)

AREA: 9 - RIVERS INLET
SAMPLE NUMBERS: 92,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 11/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	4	12	19	13	21	11	3	0	0	17	100
% AT AGE	0.00	4.82	14.46	22.89	15.66	25.30	13.25	3.61	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	136.75	143.83	160.11	159.46	162.29	167.27	174.33	0.00	0.00	155.82	158.08
- STD. DEV.	0.00	14.03	14.44	16.49	12.76	8.85	15.11	10.21	0.00	0.00	13.69	15.35
WEIGHT - MEAN(gm)	0.00	35.75	43.67	64.68	62.77	66.33	71.45	76.67	0.00	0.00	56.53	60.82
- STD. DEV.	0.00	8.38	14.18	19.52	14.56	12.15	20.02	20.43	0.00	0.00	15.19	18.16

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	1	12	84	3	0	0	0
% AT STAGE	0.00	0.00	1.00	12.00	84.00	3.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):	IMMATURE	MATURE	SPENT	TOTAL
NO.	5	44	0	49
%	10.20	89.80	0.00	100.00
% SAMPLE WEIGHT	1.40	25.02	0.00	26.42

SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	51	49	0	100
%	51.00	49.00	0.00	100.00
MEAN WEIGHT	59.14	62.57	0.00	60.82
% SAMP. WT.	49.59	50.41	0.00	100.00

Table 14 (cont'd)

AREA: 10 - SMITH INLET
SAMPLE NUMBERS: 144,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 10/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	10	17	16	18	29	5	2	0	3	100
% AT AGE	0.00	0.00	10.31	17.53	16.49	18.56	29.90	5.15	2.06	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	177.40	180.71	175.87	181.56	184.52	177.20	199.00	0.00	169.67	180.72
- STD. DEV.	0.00	0.00	15.76	11.43	11.64	16.45	14.61	13.01	7.07	0.00	9.07	14.16
WEIGHT - MEAN(gm)	0.00	0.00	82.40	92.88	84.88	95.33	102.86	87.00	121.00	0.00	73.33	93.57
- STD. DEV.	0.00	0.00	25.48	21.01	22.56	31.81	31.57	19.84	5.66	0.00	11.15	27.61

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	6	79	15	0	0	0
% AT STAGE	0.00	0.00	0.00	6.00	79.00	15.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	4	49	0	53
%	7.55	92.45	0.00	100.00
% SAMPLE WEIGHT	1.40	26.50	0.00	27.90

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	47	53	0	100
%	47.00	53.00	0.00	100.00
MEAN WEIGHT	89.66	97.04	0.00	93.57
% SAMP. WT.	45.04	54.96	0.00	100.00

Table 14 (cont'd)

AREA: 14 - COMOX
SAMPLE NUMBERS: 49, 22, 50, 31, 57, 16, 4, 42, 15, 64,
56, 17, 6, 39, 75, 38, 5, 1, 18, 26,
7, 19, 10, 9, 21, 72, 63, 67, 14, 52,
45, 41, 12, 3, 60, 29, 62, 66, 40, 44,
68, 46, 13, 35, 2, 27, 11, 77, 28, 47,
142,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 22/2001 - MAR 16/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	350	2193	1372	426	392	96	23	3	1	243	5099
% AT AGE	0.00	7.21	45.16	28.25	8.77	8.07	1.98	0.47	0.06	0.02	0.00	100.00
LENGTH - MEAN(mm)	0.00	165.61	179.41	187.15	197.44	202.78	209.54	212.61	205.00	207.00	184.12	184.81
- STD. DEV.	0.00	10.49	9.97	10.73	11.42	11.18	9.12	15.17	15.52	0.00	17.81	14.58
WEIGHT - MEAN(gm)	0.00	62.29	84.64	98.89	119.64	132.11	146.36	152.22	152.00	133.00	94.14	95.48
- STD. DEV.	0.00	13.66	16.78	19.95	24.27	24.25	22.54	32.93	32.51	0.00	31.80	27.28

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	3	33	17	430	3994	586	33	3	0
% AT STAGE	0.06	0.65	0.33	8.43	78.33	11.49	0.65	0.06	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	281	2272	25	2578
%	10.90	88.13	0.97	100.00
% SAMPLE WEIGHT	1.67	25.14	0.03	26.84

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	2515	2578	6	5099
%	49.32	50.56	0.12	100.00
MEAN WEIGHT	89.86	101.09	42.83	95.48
% SAMP. WT.	46.42	53.53	0.05	100.00

Table 14 (cont'd)

AREA: 17 - NANAIMO
SAMPLE NUMBERS: 76,182, 8, 33, 24, 25,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 24/2001 - MAR 12/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	57	249	137	37	39	32	4	2	1	42	600
% AT AGE	0.00	10.22	44.62	24.55	6.63	6.99	5.73	0.72	0.36	0.18	0.00	100.00
LENGTH - MEAN(mm)	0.00	159.11	177.24	184.58	200.38	207.87	215.81	220.25	204.00	213.00	175.29	182.96
- STD. DEV.	0.00	12.96	13.47	16.37	11.99	12.27	8.59	7.68	18.38	0.00	23.22	20.33
WEIGHT - MEAN(gm)	0.00	55.21	83.13	96.77	125.73	141.77	163.16	156.50	131.00	155.00	83.93	95.12
- STD. DEV.	0.00	13.38	20.59	27.36	22.34	23.37	22.55	31.05	55.15	0.00	37.88	35.56

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	1	2	59	444	89	3	2	0
% AT STAGE	0.00	0.17	0.33	9.83	74.00	14.83	0.50	0.33	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	37	249	1	287
%	12.89	86.76	0.35	100.00
% SAMPLE WEIGHT	2.36	24.58	0.00	26.94

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	313	287	0	600
%	52.17	47.83	0.00	100.00
MEAN WEIGHT	90.69	99.95	0.00	95.12
% SAMP. WT.	49.74	50.26	0.00	100.00

Table 14 (cont'd)

AREA: 18 - COWICHAN
SAMPLE NUMBERS: 143,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 18/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	5	47	19	8	7	3	3	0	0	8	100
% AT AGE	0.00	5.43	51.09	20.65	8.70	7.61	3.26	3.26	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	167.80	182.68	188.95	201.87	200.71	211.33	209.00	0.00	0.00	193.62	188.45
- STD. DEV.	0.00	4.15	8.84	11.01	12.92	13.44	6.51	18.03	0.00	0.00	28.35	15.48
WEIGHT - MEAN(gm)	0.00	64.80	89.06	104.89	120.62	127.71	147.33	147.33	0.00	0.00	115.62	101.71
- STD. DEV.	0.00	9.58	15.45	19.19	25.53	30.99	30.89	46.18	0.00	0.00	56.35	30.63

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	0	99	0	1	0	0
% AT STAGE	0.00	0.00	0.00	0.00	99.00	0.00	1.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	54	0	54
%	0.00	100.00	0.00	100.00
% SAMPLE WEIGHT	0.00	30.87	0.00	30.87

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	46	54	0	100
%	46.00	54.00	0.00	100.00
MEAN WEIGHT	95.33	107.15	0.00	101.71
% SAMP. WT.	43.11	56.89	0.00	100.00

Table 14 (cont'd)

AREA: 19 - SAANICH PENINSULA
SAMPLE NUMBERS: 20,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 25/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	55	21	11	2	0	0	0	0	0	11	100
% AT AGE	0.00	61.80	23.60	12.36	2.25	0.00	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	140.07	167.38	178.36	180.00	0.00	0.00	0.00	0.00	0.00	133.45	150.09
- STD. DEV.	0.00	17.67	23.39	14.26	24.04	0.00	0.00	0.00	0.00	0.00	26.67	25.22
WEIGHT - MEAN(gm)	0.00	37.87	70.71	86.36	86.00	0.00	0.00	0.00	0.00	0.00	35.27	50.78
- STD. DEV.	0.00	17.39	29.23	21.55	32.53	0.00	0.00	0.00	0.00	0.00	29.84	29.23

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	10	27	7	53	3	0	0	0	0
% AT STAGE	10.00	27.00	7.00	53.00	3.00	0.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	40	1	0	41
%	97.56	2.44	0.00	100.00
% SAMPLE WEIGHT	16.64	0.65	0.00	17.30

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	45	41	14	100
%	45.00	41.00	14.00	100.00
MEAN WEIGHT	53.87	56.27	24.79	50.78
% SAMP. WT.	47.74	45.43	6.83	100.00

Table 14 (cont'd)

AREA: 23 - BARKLEY SOUND
SAMPLE NUMBERS: 59, 34, 55, 48, 58, 51, 70, 32, 43, 53, 37, 73, 36,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 23/2001 - MAR 17/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	117	612	200	104	72	100	16	3	3	71	1298
% AT AGE	0.00	9.54	49.88	16.30	8.48	5.87	8.15	1.30	0.24	0.24	0.00	100.00
LENGTH - MEAN(mm)	0.00	167.62	181.13	188.79	201.62	207.51	213.86	221.06	219.00	234.00	187.21	187.76
- STD. DEV.	0.00	9.40	9.46	10.92	10.59	10.37	8.16	10.82	5.57	13.89	20.68	16.76
WEIGHT - MEAN(gm)	0.00	65.76	85.39	98.56	117.77	128.01	145.84	159.06	134.33	198.33	99.62	97.33
- STD. DEV.	0.00	11.44	14.69	19.48	22.30	23.39	24.52	34.23	13.58	10.79	36.35	29.51

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	1	1	40	768	296	190	1	0
% AT STAGE	0.08	0.08	0.08	3.08	59.17	22.80	14.64	0.08	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	27	484	59	570
%	4.74	84.91	10.35	100.00
% SAMPLE WEIGHT	0.84	22.17	0.03	23.04

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	726	570	2	1298
%	55.93	43.91	0.15	100.00
MEAN WEIGHT	93.78	101.68	147.50	97.33
% SAMP. WT.	53.89	45.88	0.23	100.00

Table 14 (cont'd)

AREA: 24 - CLAYOQUOT SOUND
SAMPLE NUMBERS: 181,170,185,171,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 2/2001 - MAR 9/2001

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	25	165	70	23	34	46	1	0	0	36	400
% AT AGE	0.00	6.87	45.33	19.23	6.32	9.34	12.64	0.27	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	166.52	182.55	192.93	204.83	211.59	218.41	215.00	0.00	0.00	195.06	192.65
- STD. DEV.	0.00	15.21	9.74	10.59	8.72	9.31	9.38	0.00	0.00	0.00	16.95	17.92
WEIGHT - MEAN(gm)	0.00	71.48	93.57	113.71	133.65	152.74	168.93	168.00	0.00	0.00	116.92	114.00
- STD. DEV.	0.00	21.74	14.50	21.61	18.24	22.15	23.76	0.00	0.00	0.00	35.63	34.95

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	12	311	75	2	0	0
% AT STAGE	0.00	0.00	0.00	3.00	77.75	18.75	0.50	0.00	0.00

ROE MATURITY (FEMALE):

	INMATURE	MATURE	SPENT	TOTAL
NO.	8	160	1	169
%	4.73	94.67	0.59	100.00
% SAMPLE WEIGHT	0.84	28.91	0.00	29.75

SEX RATIO:

	MALE	FEMALE	INMATURE	TOTAL
NO.	231	169	0	400
%	57.75	42.25	0.00	100.00
MEAN WEIGHT	104.83	126.54	0.00	114.00
% SAMP. WT.	53.10	46.90	0.00	100.00

Table 14 (cont'd)

AREA: 25 - NOOTKA SOUND
SAMPLE NUMBERS: 69, 54, 61, 30, 74, 23,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 26/2001 - MAR 14/2001

SPECIMENS AT EACH AGE:	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	12	214	163	45	60	63	12	2	1	28	600
% AT AGE	0.00	2.10	37.41	28.50	7.87	10.49	11.01	2.10	0.35	0.17	0.00	100.00
LENGTH - MEAN(mm)	0.00	163.75	185.61	194.63	204.38	208.82	217.92	212.75	173.00	235.00	187.57	195.42
- STD. DEV.	0.00	8.88	9.43	9.10	11.54	11.63	6.20	12.96	60.81	0.00	25.93	16.35
WEIGHT - MEAN(gm)	0.00	62.25	95.58	116.24	135.07	148.28	167.41	149.17	168.00	165.00	108.39	118.33
- STD. DEV.	0.00	11.41	16.30	17.81	24.76	26.21	18.75	23.45	22.63	0.00	45.28	32.92

HJORT MATURITY STAGES:	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	0	0	13	493	79	14	0	0
% AT STAGE	0.17	0.00	0.00	2.17	82.17	13.17	2.33	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	12	293	5	310
%	3.87	94.52	1.61	100.00
% SAMPLE WEIGHT	0.52	27.35	0.00	27.87

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	288	310	2	600
%	48.00	51.67	0.33	100.00
MEAN WEIGHT	109.76	126.10	147.50	118.33
% SAMP. WT.	44.52	55.06	0.42	100.00

F2

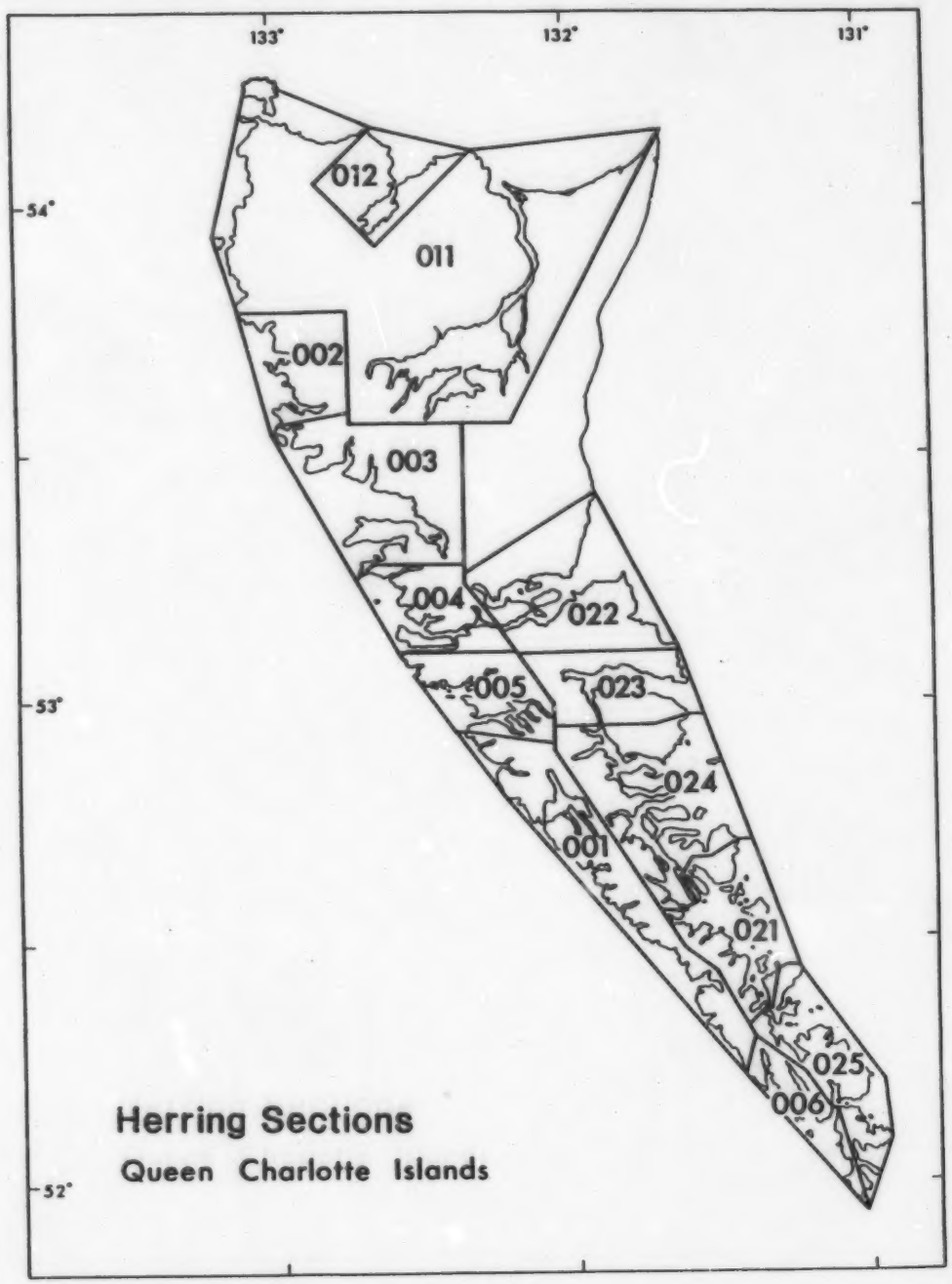

Fig. 1. Herring sections in the Queen Charlotte Islands region.

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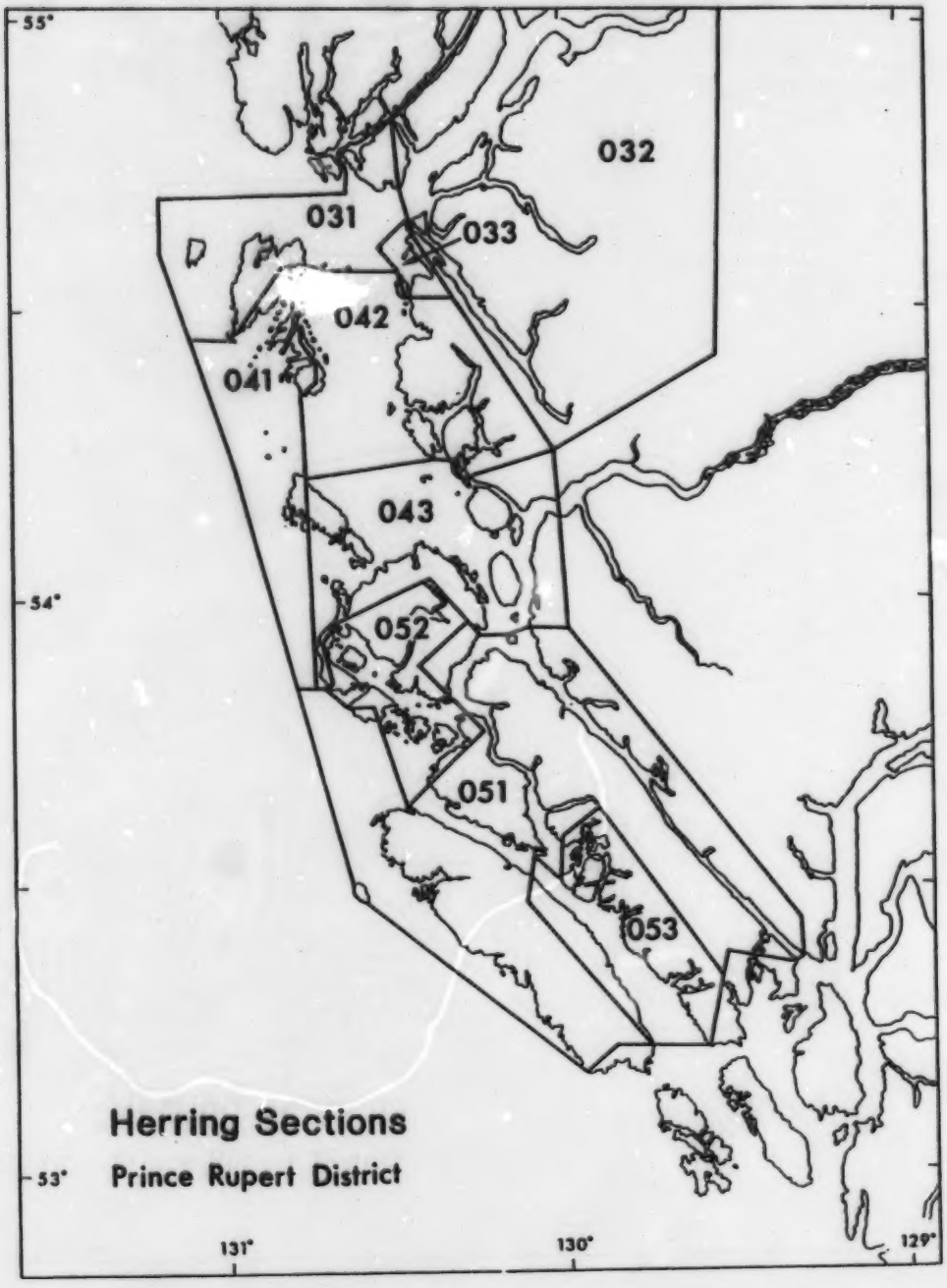

Fig. 2. Herring sections in the Prince Rupert District region.

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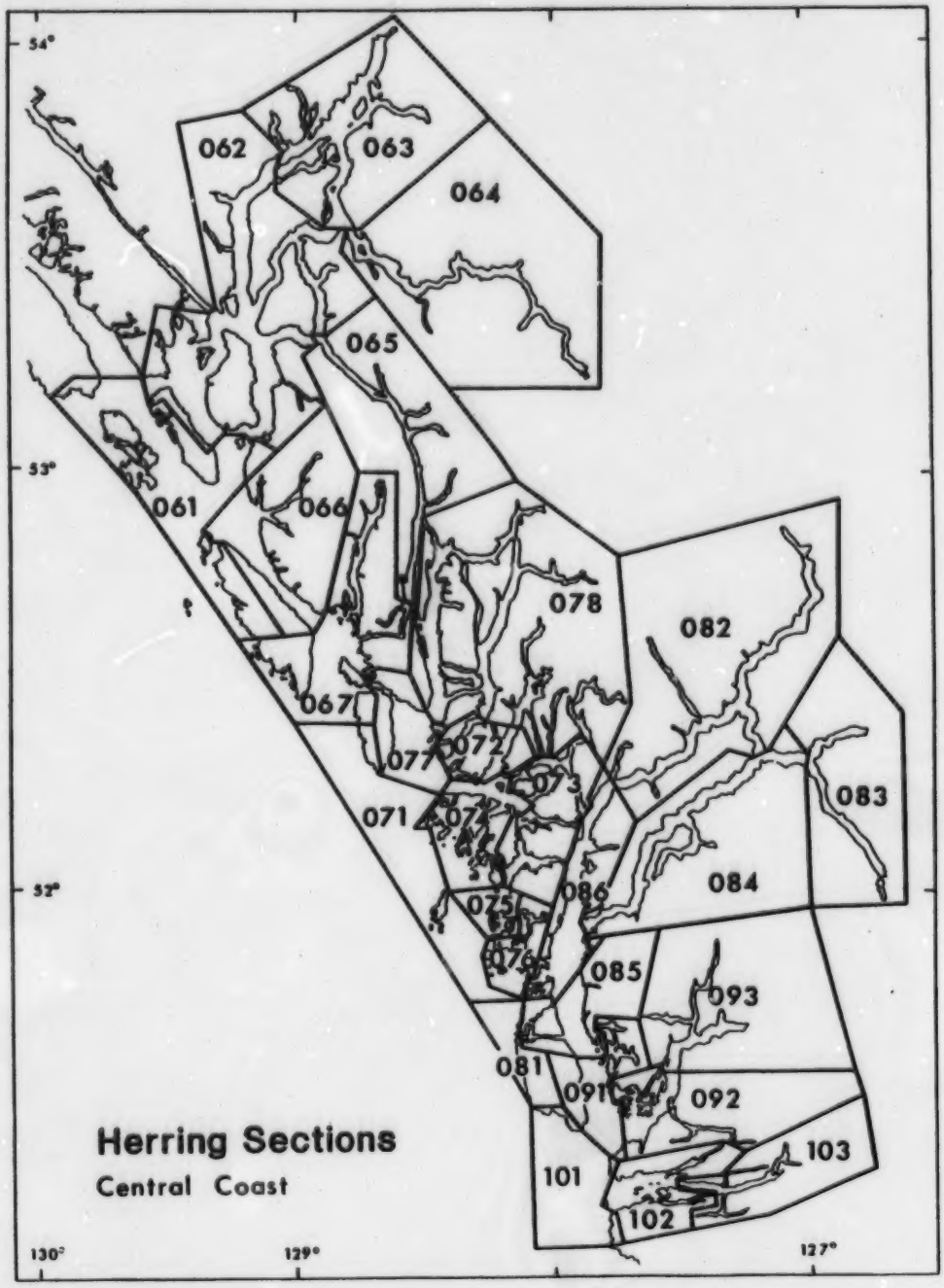

Fig. 3. Herring sections in the Central Coast region.

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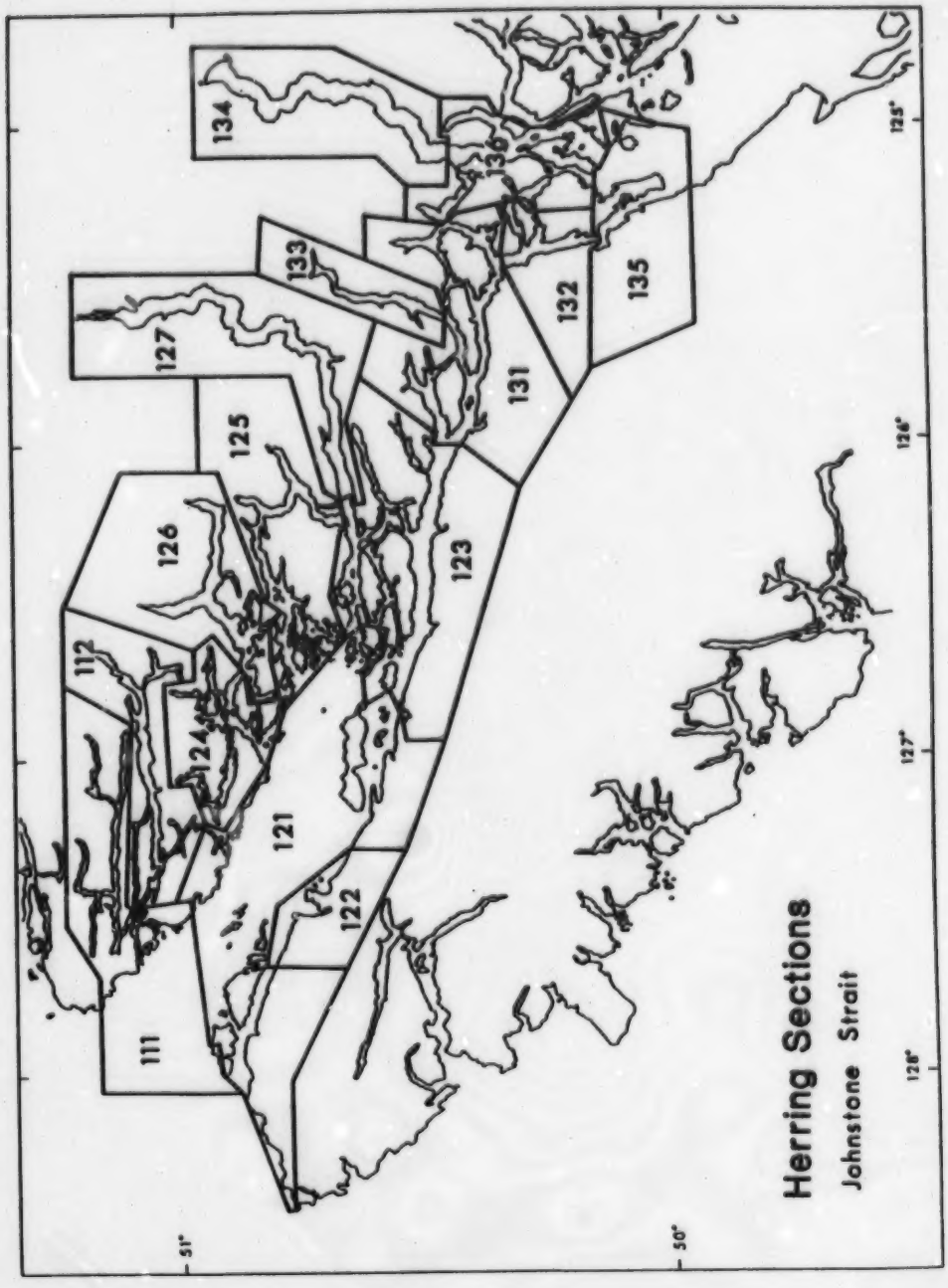

Fig. 4. Herring sections in the Johnstone Strait region.

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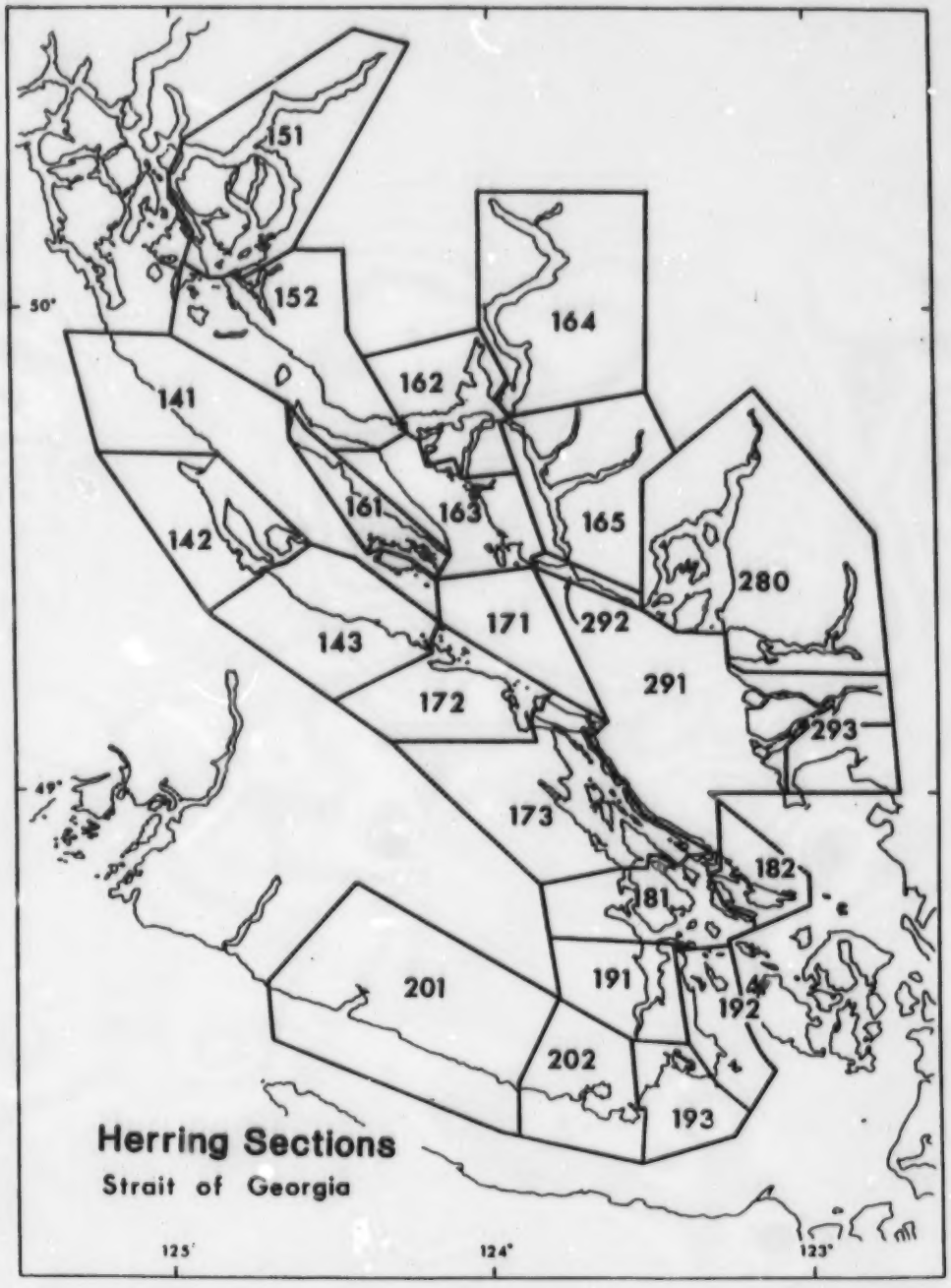

Fig. 5. Herring sections in the Strait of Georgia region.

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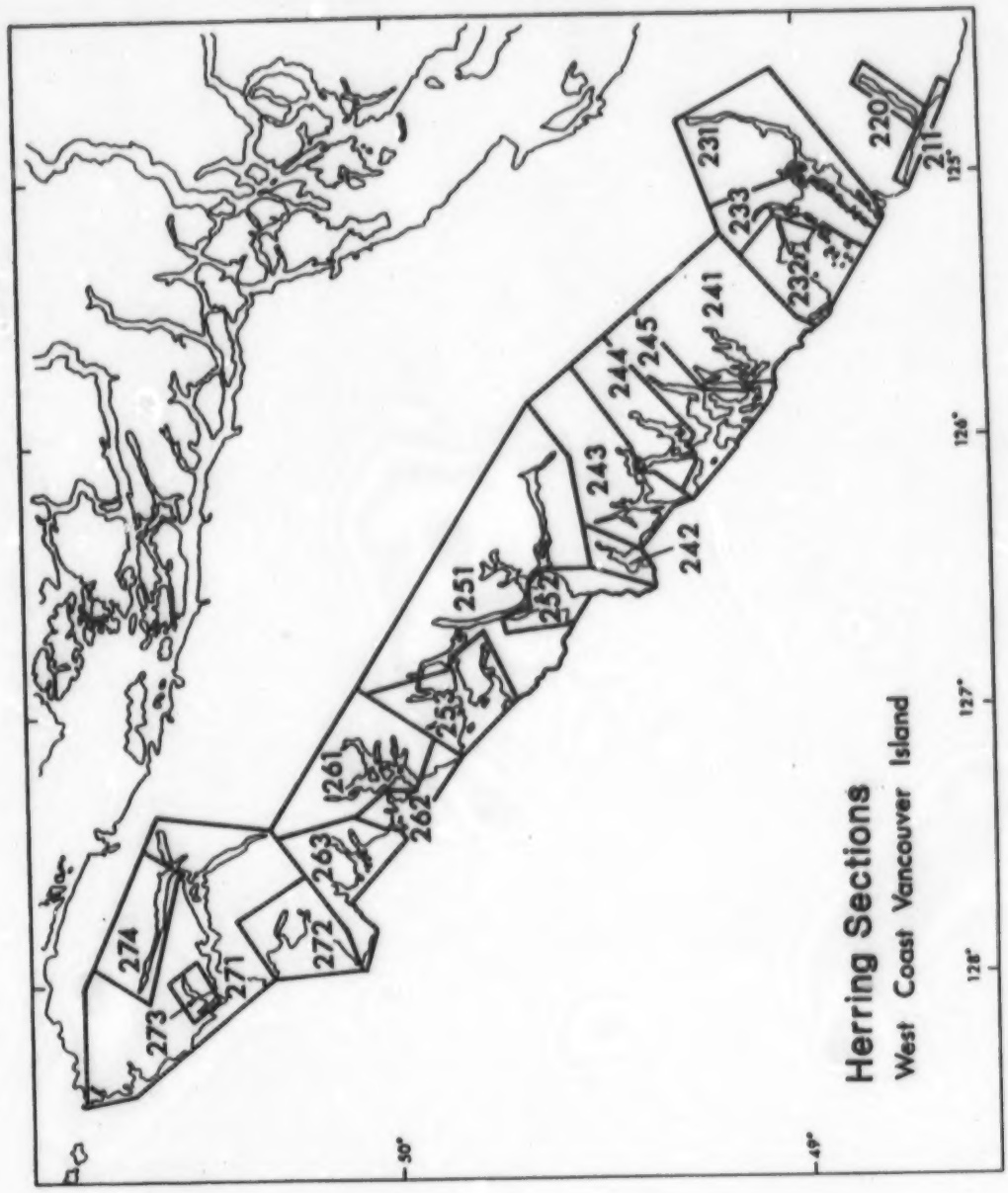

Fig. 6. Herring sections in the West Coast Vancouver Island region.

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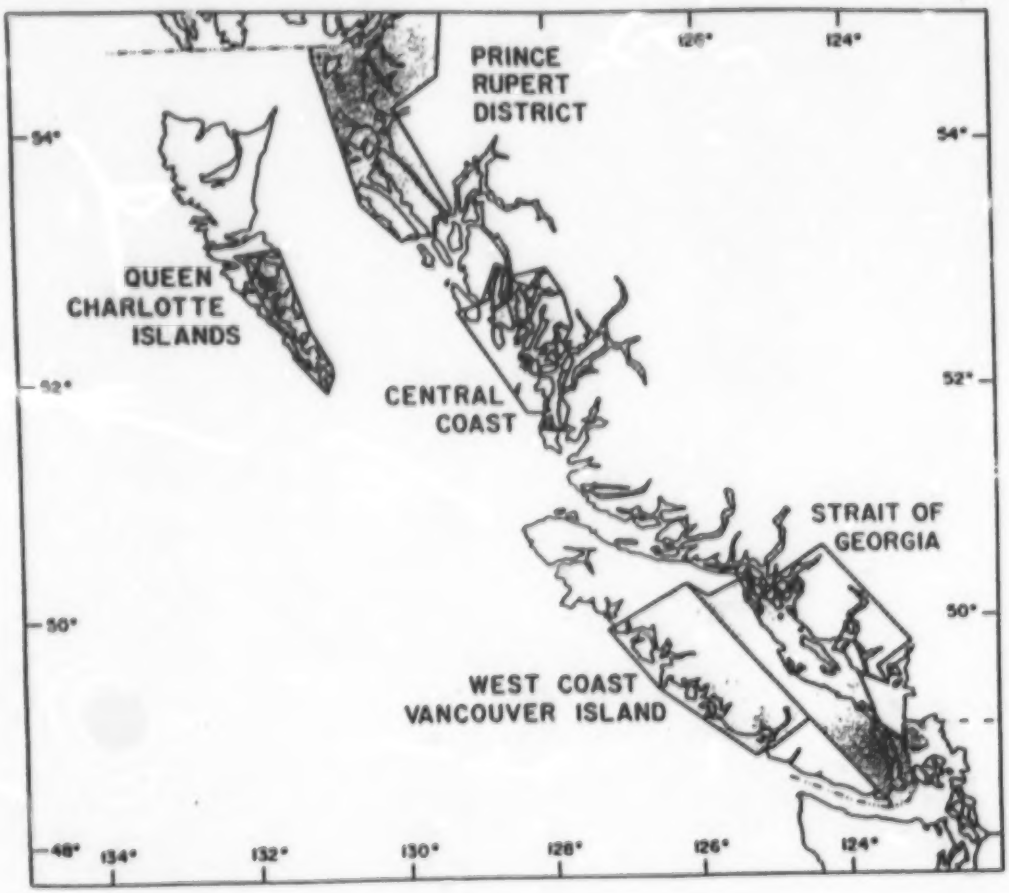

Fig. 7. Herring stock assessment regions in British Columbia.